

PLANTS COLLECTED IN ECUADOR DURING 1923 BY A. S. HITCHCOCK.

Guayaquil June 18, 1923

19914 Panicum

Tidal marsh along Rio Guyas, water front of city. Stems creeping at base; has much the aspect of next.

19915 Eriochloa

same locality

19916 Panicum

same locality

19917 Chloris

June 19

low moist ground

19918 Low moist ground near river. Gregarious, 4-6 ft. tall,

| pomvea crassicaulis (Benth.)

erect or decumbent at base; fls. pink.

| Robins.

19919 Low ground. Weed in pasture, 2 ft. tall, much branched; fls. pink. Parsonsia (Cuphea) conthague (Jacq./leach.

19920 Same loc. 2 ft. tall. Acanth.

19921 " 4-6 ft, wand-like branches; fls. yellow.

.19922 " 3 ft. tall; fls. yellow-orange.

19923 " 3-6 ft; fls. white. Hyptis pectinata

19924 " 1-2 ft.; fls. lilee; ennual. Heliotropium indicum W.

19925 " 2-4 ft. fls. white; rootstocks produced. Hyptis Florida Benth.

19926 Swempy soil near river. Gregarious, with bulbs and rhizomes; 2-3 ft. tall; fls. white. Crinim Cartwrightianum Rose,

19927 On rocky cliff. Shrubby, 6-10 ft.; Dis. White.

19928 " Large shrub; fls. yellow; leaves simple or

with 1 or 2 leaflets at base.

Pseudabrtilow hteleveki kluick (MA) httlen 19929 Rocky hillside. Shrub 8-12 ft.; Ils. pale yellow, viscid.

19930 Same. Stout vine climbing over bushes, masses of bright pink fls. Ipomoea abutiloides (HBK.) Don.

19931 Same. 3 ft. tall. Brickellia diffusa (Vahi) Gray

19932 Some. 4-6 ft.; fls. white. Heliotropium rufipilum anadenum Johnston

19933 Same. Climbing vine, 20-30 ft. fls. white. Plumbago scandens L.

19934 Open ground. Weed, 3 ft., fls. white. Melochia lapulina Sw.

19935. Same. Weed, 3-4 ft. fls. orange-yellow. Malvastrum

19936. Climbing on shrubs, fls. purple-blue. /pomoea purpurea(L.) bam.

19957. Climbing on shrubs; fls. (bracts etc.) white.

19938. Rocky hillside. Tree 20-30 ft.; fls. lemon-yellow.

Hills across Rio Guayas, west of Guayaguil June 20

19939 Open cut-over ground. Annual, pods like crucifer.

Spilanthes ocymifolius (Lam.)A.H.Moore
19940 Hillside among shrubs. Straggling half-shrub, 6 ft.

19941 Shrubby hillside. Shrub 5 ft. fls white. Mimosa floribunda Milla.

19942 Cut-over ground. 3 ft., sticky. Aeschynomene americana L.

	. •	•		
	19943	Cut-over ground.	Bouteloua.	Annual decumbent spreading.
W /	19944	Same		Vine on shrubs, small blue fls.
	19945	11		Dolicholus minimus (L.) Medic.
and the state of t	19946	¥ ¥:		Mesidula dirergens (Bouth,) Hitche.
	19947		Panicum	2 - Llat Idual
	19948	१ १	Platymis con	straggling, much branched,
	19949	¥ Y		roughened. Perennial bunches
	19950	II.		vine; Momordica Charantia L. felling quickly; fruit orange.
	19951	11		2 ft. Ils. orange and red.
>	19952	Shrubby hillside.		8-12 ft. tall fls. pale yellow, fading to pink.
	19953	Same	Pennisetum	Pennisetum occidentale Chase large bunches, up to 8 ft. tall;
	<u> </u>			streggling_creeping at base, Buettneria parvifolia Benth. shrub with Cephalanthus_like
				fruit; 6-10 ft. prickly.
	19955	Cut-over land.	Paspalum	2-4 ft. straggling, much branched.
	19956	TY IT		Straggling half-shrub; fls. Indigofera subulata Vahl pinkish.
	19957	The second secon		Vine, Ils. yellow.
	`	Specification of the specifica		Quamoclit coccinea (L.) Moench
	19959			Phaseolus heduncularis M-B.K. auli purple or white.
	19960			Triumfetta semitriloba L. shrubby 6-8 ft; fls. yellow.
	19961			4 ft. Acanth
	19962	among shrubs	Olyrs	

	19963	Among shrubs	Lasiacis	long simple branches, 8-10 ft.
	19964	Cut-over land		fls. lilac. Ruellia
	19965	Low ground near	water.	Pithecolobium candidum Benth. Tree 30 ft.; Ils. White.
	19966	Florence to the second	7. T.	carduaceae. Senecio of jussieui Klashrub, straggling, 10 ft. (Det & P. h.
	19967	i i	1 *	Eupatorium iresinoides HBK. Scrambling Shrub, Several feet;
	19968		· * *	Browallia pallida Morton (Type) Annual; fls. lilac-blue.
	19969	Among shrubs	Panicum	much branched, straggling, 5-6
	19970 19971			Iresine diffusa Willd.(?) Streggling herb, 6-10 ft. Gomphrena perennis L. Several ft.;
,	19972			Jacquemontia nodiflora (Desv.)G.Don Vine, Ils. White.
	19973	इंच्		Tungus, on Convolvulus.
	19974	River bank		Meed, fls. White, fruit black.
	19975	Along road		Acanth Acanth
	19976	Open ground		2 ft. much branched.
	19977	n alon	g road. Diore	bolus
	19978			
	19979			Vine, fls. blue.
		depth slody \$2000 month pools white	nggan salah denga esta esta salah	

Walter &

Province Guayas. Oil camp at Belen, port at end of launch
journey, between Guayaquil and Salinas. June 21

19980 Low ground, very wet in wet season. Cyperus oxylepis Nees

19981 " " Tree, 20 ft. Mimosa acanthiloba Poir.

19982 " " Herb Spermacoce glabra Michx.

	19983	Low	ground,	very	Wet	in wet s	easo	n Melochia pyramidata L.
	19984	कु तु र	7.9	# #	t tipe	\$ dia.	go di si d	(Discarded)
	19985	I, A	7- de 2	The state of the s	4: \$ # 5 #	I à	1 %	Jussiaea erecta L. 4-6 ft., fls yellow.
	19986	4.1	1	ž Å.	17 mm s	19 H	P or P	Leucaena canescens Benth. Tree, 20 ft. fls. White.
	19987	Spore Spore	- I. A.	1.1	1.7	7 7	\$\$004 \$\$004	(Discarded)
	19988	中 神 を	7 mg	11	1 1	77	T	Wissadula dirergens (Bouth) Witche. Half shrub, 3 ft., fls.
	19989	y, a	TI Co	ccoloba	Ruiz	ziana "Linde	au II	Orange. Tree 10-15 ft.
	19990	Special Specia	11	77 VP	The page of the pa	7 7	11	Chloris common
	19991	4.4	T	Ħ	13 - 영향 13 - 호	11	tion of	Maytenus uliginosus HBK Tree, 10-15 ft; fls. green.
	19992	Makes Danner	T \$'	Hydr	oliga	elation		Solanaceae
Control of the second	19993	¥₹	TT	17	1.1.	T T	ţţ	Englinaea quiterisis HBC.
	19994							(Discarded)
	19995	•	E ty	ΙŢ	71	TF		Clambering vine, fls. green.
	19996	Midel	flatsA	Salico lico Rni	rnia A FR	peruviana uticosa l	and	Batis maritima shrub up to 6 ft.
	97	1.1	FT			Acant	h	fls. pink-purple.
	98	11	¥1			Ruell	lia	
	99	र पू				Acar	nth	
	20000	9 P	VF.	ppor	obolu	ıs		
	. 01	The state of the s	11			Cardu	acea	е
	02	i i i	¥₹			Solar	nacea	8
	03.	Pro-	T the			Amman	nia a	auriculata Willd.
	04	Transition (g v	Psittac	anthu	s obovatus	Bent	tAree, 16 ft. fls. scarlet.
	05	· 55-	F \$	Commel	ina a	riffusa Bu	ru.	fls. blue Det. L. B. Smith

Province Guayas, Oil Camp between Guayaquil and Salinas; collections made along grade of new Ry, Los Quemados. June 22

	20006	Rolling	scrub	land	Dactyloctenium
	20007	ξŽ	17	¥ ¥	Cucuris disfisaceus Ehrenb. Cucurbit Vine, fls. yellow.
	8	F 🕇	11	¥ \$	Bignoniaceae " orange red.
	9	ÄÄ	P #	Sp. To	Boerhaavia caribaea Jacq. Tls. purple, viscid.
	10	Spine Date:	ïï	** ***	Sucurbit cluster of bristly fruits.
	and and a second	7 7	Ť Ť	Fig.	Cucurbita Vine; fls. yellow; fruit
					globose, 6 in diam.
					1 oks like water-melon.
`.	20012	3 ¥	3 F	T T	Cucumis angura L. (Let. Marms) Vine, fls. yellow; fruit
					tuberculate.
	13	i i	ŦŢ	9 30 50 50 50 50 50 50 50 50 50 50 50 50 50	Muntingia calabura L. Tree, 30 ft, fls. white.
	4	复星)	ŦŦ	Clerodendron molle HBK 15 ft. fls. white
		Ĭ. Ē	77	Ŧ T	Eragrostis
	16	¥ 1	11	The state of the s	Lantana Augulosa Shrub 4 ft. fls. white &
					yellow.
	17	ŦŦ	Manus Dave	Î- I	Vine; fls. greenish white Passiflora hispida DC.
					and lilac.
	18	17	Service of the servic	Ťť	Caesalpiniaceae Tree 10 ft. fls. white.
	10	FŢ	ig igi	\$ \$	Eupatorium Roseorum Robins. Halfshrub, 6 ft. fls. lilac.
,	20	7.7	4. A	i vi	(Malvaceae) Hibiscus sylvaticus Benth. Shrubby, 5 ft. fls rose.
	21	y be		11	Vine, fls. lilac-pink,
-					Canavalia leptophylla Piper (?)
	22		ŤŤ	***	Cuttley & virtucia 3 st. Nocca mollis Cav. (18.16.) Relie f (Web Hillerines)
~					

2(0023	Rolling	serub	land	Cassia picta Don Shrub, 5 ft. fls. yellow.
	24	1. 1.	1.4	\$ 18 mg	Adesmia 6 ft. fls. yellow.
	25	2. 4 2. 1	ŢŢ		Ipomoea purpurea (L.) Lam. Vine fls. blue.
	26		† (# # # 4	Ipomoea egyptia L. white.
	27	::-	ş: †		Ipomoea dumetorum (HBK) Willd.
	· 28	1) - Mg 2) - 2	2 Mg 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2) i	Malachra fasciata Jacq.
		q p	ह कु	Ĭ ¥	Wedelia grandiflora Benth. 6-8 ft. fls. yellow.
	29				Phaseolus longipedunculata Mart.
	30	of the second se	i 4	Share Share	vine, fls. dark purple-magenta
	31	17	in the second se	Y #	Phaseolus Tose.
	32	ΪŤ	# 1 10 th	39.30 1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	anthephora
	33	ŢŸ	† †	Ĵ. ŵ	Ipomoea Nil (L.) Roth
	34	17	î ş	J #	Rust on 20035
worth	35	ŢŢ	in a	? <u>?</u>	Vine Ipomoea
	36	ξŤ	11	ÄÄ	Rust on 20037
	37	ī v	77	\(\frac{1}{2}\)	Vine Ipomoea setosa Ker
	38	चे ए इ. ह	7) W 5 \$	FF	Eyelanthera of 6. tenuisepala (Cogn.) Vine Luffa Det. E. F. Killip
	39	17	τţ	a p	Hyptis costata (Benth.) Epling
	40	The state of the s	1 7	. Å	Phaseolus " fls. rose and white.
	Angle Stranger	î î	land		Mimosa floribus Arub, 8mft. fls. rose. Buettneria parvifolia Benth.
	42	Ti de E	p 37 6 \$		Buettneria parvifolia Benth. 19950
	43	4	11		Malvastrum scabrum (Cav.) Gray fls. yellow.
	44	general desired desire	T g		Melochia lupulina Sw. aspect of 20043, but fls. white.

•				-0-		
20(045	Rolling	land	Luff		Vine, fls. yellow.
	46	\$ # #	jimoy Basa	Sida	rhombifolia L.	
	Andrew T	7 · · · · · · · · · · · · · · · · · · ·	to the second	Mimo	sa Camporen	Shrub, 4 ft. fls. pink.
	48	Tight have a state of the state	T Hyp	tis s	picigera Lam.	Shrub, 4 ft. fls. pink. Det. E. P. Killip 6 ft.
	49	quiswa	Jus	ticia	comata (L.) Lar	m•
	50	Ϋ́T			gyza latifolia	
	E) minus	P W		J	arantaceae Tha	lea pavoni Kolon
	52	Rolling	seruk	ı-lar	nd Celosia virg	gata Jacq.
	53	Ţ. \$\$	Ϋ́Ŧ	ff	Mentzelia a	spera L. Straggling shrub or half
						shrub, very fragile; fls.
	54	P - CP	Ĩ Ī	11	Juanus m	vine, fruit only.
		Τ¥	T :	1 4	Acanth	fls. scarlet.
	56				Culoris	
	57				Lasiecis	always find this a single
						long culm, 4-8 ft., sparing-
						ly branched toward summit;
						panicle narrow.
	58	11	<u> </u>	Ϋ́Υ	Lantana camara	Scrub, 6 ft., fls. red &
						orange.
	59	įį	Ţţ	Quantum I may a	Cordia alliodo	ra R. & P.) Cham. Tree, 30 ft. fls. white.
	60	i i	Pro-	Fife or Jones	Physalodes phy	salodes (L.) Britt. Herb, 3-6 ft.; fruit
	(mine	# ¥ ¥ ¥ * * * * * * * * * * * * * * * *	de d	ष् १ ।		Gall or fungus on tree with
						yellow flowers 19928

20062	Rolling	serub-	-land	roton salvis	efolius HBK Tree, I	oft. fls. white.
63	11	ŤF		abia tae	fls. pel	
64	Comments of the second	ŗ*	D sprang 1	Chloris		
65	**************************************	7 7	D	Syntheri	sma	
66	grava de la companya	¥ 70	Billion Types	Meibomia p	ourpurea (Mil	ll.) Vail
67	Ç. M. F.	T (F)	graph or and		fls. wh:	ite. Wissadula amplistim diregges (Buth)
68	tr mp k f	Ŷ **** L \$	7 T		vine.	I pomoea purpurea (4) fam.
		September Annager of Statesholds of	ngan signat mena sistem muu Miles	THE P Assert Tripped Appropriate Section (1998)		

Province Guayas, Oil camp between Guayaquil and Salinas; in vicinity of Road Camp, 15 km. S.E. of main camp. June 23.

20069 Open dry woods. Vine on tall tree (cut tree down), fls.

Haemadictyon pallidum DC.

yellow with yellow-green eye.

70 " " Tall tree, cut tree down, but flowers

Cochlospermum hibiscoides (Willd.) Kunth

broken in falling, bright yellow

(slightly orange); no leaves on tree.

71 Border of swamp Cyperus hermaphroditus (Sacq.) Standl.

Luffa operculata (L.) Cogn.
Vine, fls. yellow.

73. " Aeschynomene sensitiva Sw. Ils. yellowish white.

74 In water o swamp Hymenachne form large area in swamp.

75 Border of swamp Cuscuta on 20079 C. americana spectabilis

76 On water of swamp. Lemna

77 In " and in mud along edge. Fls. yellow.

78 Shade of woods near swamp Amaranthaceae Amaranthaceae

79 " border of swamp Achyranthes aspera L.

80 " " " Olismenus

20081 Border of swamp. Large shrub or small tree, 10-15 ft. fls. Clerodendrum molle HBK. White.

- 82 " Lerb Borreria Andersonii Standl.
- 83 " Echinochloa
- 84 Swamp; in water and in mud along edge. Sagittaria, up to Echinodorus bracteatus icheli
 8 ft; blades up to 18 in.; fls. white; fruit

from 20987 (19987 discarded):

- 85 Low woods Cassia biflora L. Small tree, 15 ft. fls. yellow.
- 86 Near swamp on shrub Cuscuta americana congesta
- 87 Mud, edge of marsh Eleocharis minima Kunth Net. Svenem
- 88 border of marsh Rotala ramosior (L.) Koehne 19984 discarded)
- 89 Water of marsh Thalia geniculata L. 6-8 ft., fls. purple.
- 90 " Eleocharis geniculata (L.) R.& S.
- 91 shallow water of marsh Eleocharis atropurpurea (Retz) Kunth
- 92 Sandy bank

Hragrostis

93 Border of marsh

Cordia guayaquilensis A.DC. Shrub 4-8 ft. fls. white

Cardiospermum grandiflorum Sw. Ulimbing on shrubs; fls. white

95 water of marsh

Castalia ampla Salisb.
Pulls up easily; blades float-

ing; fls. all closed (3 p.m.) Above sur ace, but sfterwards retreat below

surface.

97 Floating on water of marsh. Salvinia

20096 Swimming just beneath surface of water of swamp. Lemna

			-104			
	98	Mersh	(a m	aistur	e of	20096 and 20076?) Riccia
	99 20100	Woods	ia sy Lare	ge tre	e up	marsh, in flower; spathes greenish- white. to 50 ft; fls. orange-red. Jacquinia
	101		Vine	elim Vig	bing na- groe	Tropaeolum M ritzianum Kl. on shrubs; fls. red orange red. verillata; (f.) Field. Fabaceae nish white with bluish tinge.
	103			gle st	em, 4	ft. branched at summit, with cluster Jatropha and bright rose inflorescence (bran-
				ches	and	flowers).
	104	ĒΫ	Shru	ıb.		
	105	¥ #	Vine	e, WOO	dy.	
	106	Sandy	bank	of st	ream.	Alternanthera halimifolia (Lam.) Spreading-decumbent
And the state of t	107	TT	4	įŢ	† 9	Lettochloa
W-1	108	ŢŢ	G. G	! ¥	2 may 2 mg 2 m	LIPPIA CAMESCENS H.B.K.
	109	Woods				Macroscepis aequatorialis Woods. Vine, herbaceous, fls. brown.
Sinare	110	YY				fungus on 2011/.
		1.4		Lipp	ia 7 4	shrub 6-10 ft. fls. white.
Showe	112	1 ‡				fungus on mallow.
	113				Hibi	scus brasiliensis L. 3-4 ft. fls. red.
	114	î, £			(Malv	aceae) Hibiscus hitchcockii Ulbrich (type) Shrub 4-6 ft. fls. rose.
	11.5	Swamp			Nept	Stems very spongy, floating on surface
						of water; fls. yellow.

Province	Guayas,	Oil amp	between Guayaguil	& Salinas; rail-
Wal	grade to	west.	June 21.	

201	10	wood	S	Sida rhombifolia L.
	17	74 W 2. \$		fls. rose-scarlet. Acanth
*	18	* T	Iresine diffusa #illd.(?)	Herb 6 ft. (met. muller) straggling herb, fls. yellow,
The state of the s	19	Manus.	Lycopersicon cerasiforme Dunal	straggling herb, fls. yellow,
				fruitglobose, 1 cm. diam.
				scarlet.
gene general dan	20	20 pm	Parosela BAR bATA	Lalf-shrub, 5 ft. fls. pale
				blue.
W-1 1	21	17	Berjania brevipes Benth.	Woody vine, fls. white.
	22	ŤŤ	Dolicholus minimus (L.) Medic.	herbaceous vine.
	23	# # 2 %	Dalechampia scandens L.	", 3-celled
				capsule in involucre.
	24	stra	ggling out of a pile of ra	ilway ties. Chaetochloa

Guayaquil, road west across Rio Guayas. June 26.

W-I		Lasiacis	subescent and glabrous sheaths on same plant.
	126	Among brush dlong river, stragg	Carduaceae P. Killip
	127	Eupatorium odoratum L.	shrub, 6-10 ft. fls. white.
	128	Guazuma ulmifolia Lam.	small tree, 20 ft. fruit glo- bose to ovoid, like a young osage orange.
	129	Tasiacis	
	130		(Discarded)
	1.31.	Abutilon cordatum Garcke & Schum.	o ft; fls. pale yellow with
9			small rurple eye.

		at-dam; "in part"	
Company of the Compan	20132	Paspalum	young Plant showing annual
			root.
	133	Lasiacis	spikelets small otherwise
			looks like sorghoidea.
	134	⊥aspalum 19955	
	1.35		fungus on Lasiacis ruscifolia.
The state of the s	136	Lasiacis	more or less pubescent.
	137	Anneslia	shrub 10 ft.
	138	near river Pithecolobium candidu	m Benth. Tree 25 feet.
	139	Eupatorium iresinoides HBK.	Shrub or half shrub & ft.
			fls. white.
	140	Serjania mucronulata Radlk.	woody vine.
	111	Cuscuta prismatica Cav.	calyx and podicels dark pur-
			ple, corolla white.
	142	Eupatorium Roseorum Robins.	half shrub, 6-8 ft, fls. white.
	143	Protedeura flora (Spreng. 1864. Leucaona Det. E. P. Killip	Tree 30 ft.
	1.44	Malpigh	Small tree, 20 ft.
	145	Dalechampia scandens L.	Vine
	1.4.6	Dolicholus precatorius (Humbl.)Rose	woody or half woody vine.
	1 47	along river, shade of small tre	es Ojlismenus
	148	Serjania ampelopsis Pl.& Lind.	Woody vine; fls. white tinged
			with orange.
	149	Passiflora reflexiflora Cav.	Vine, fls. crimson.

			Balletell According Miller Miller	.	
2	0150	Chamaesyc	e lasiocarpa	a (Kl.) Arthu	
·	151	Schizopte	ra peduncua	ris (Benth.)	Blakefls. yellow.
	152	Ipomoea			vine, fls. rose-lilac.
	153	Triumfett	a semitrilol	oa L.	5 ft., fls. yellow.
W 1	154				small tree, 20 ft.
	155	Op erc u in	a codonanthe	a (Benth.)Hous	se vine
	156	Melanther	a aspera (Ja	acq.)Steud.	fls. white
VV 1	157				Straight small trunk, 4 ft,
					no leaves, cluster of
					flowers at top; inflores-
					cence red.
W 44)	158		Les	iacis	
	1.59	Verbesina	minuticeps	Blake	Tall herb, up to 15 ft.
			\$0005 interly ulgaria mirror winner handle solgrift lightige Stand	p dest finish more view 1999s bright made	
Way .	PI	ovince G	uayes, Mil	agro June	e 30
. 2	0160	Open gro	und along	railway Scr	oph
	one 6 mg	Phyla	nodiflora	var. reptan.	espalum common in lawns and (L) moldenke grounds.
	162	S of the second		ii S	pilanthes ocymifolia (Lam.)AHMoore
Control of the Contro	163	ŦŦ	では でです。 でです。	r, Lej	etochloa
Service Service	164	Ţţ		A1	ternanthera sessilis (L.)Standl. prostrate, rooting.
	165	y T	£4	TY Li	ppia reptans HBK-behelaefolea 45%

* #

Physalis angulata L.
Phyllanthus carolinensis Walt.

Eragrostis

20	0169	Open	ground	along	railway	Ilysanthes inaequalis (Walt.)
	170	ŢŢ	ŧŢ	Ĭ. ij	¥ \$	Heliotropium procumbens Mill. fls. white.
		枝 竹	ŢŤ	9 1	ž. lį	Eleusine
W-l	172	Special Specia	1.1	7 - 1	the state of the s	Leptochloa
	173	9- <u>5</u> } ₹	ĭĪ	īſ	Y Y	Fimbristylis meliacea (L.) Vahl
(j	174	Lann	about 1	louse		A. onopus
11.	175	Garde	en in sl	nade		Oplismenus
	176	in the second se	पूर्व - -	No.		Bragrostis
	177	Weed	in gard	len		Pas elum
	178	Tana-	13 14			Chloris
	179	To a second	; ¥ + 44 1 1			Bragnostis
	180	を開	5- 100 1- 100 1- 1- 100 1- 1- 100 1- 1- 100 1- 100			respalum

Province Juayas, near Milagro, along Ry. west of Injenio Valdez, mostly weeds.

20181 Pavonia sepium St.Hil.

Ealf shrub 8 ft. fls.

orange-yellow.

182 Lantana trifolia L.

" shrub, 4-6 ft. fls.

lilac; fruit glo
bose, fleshy, lilac

purple.

183 Hemistylis boehmerioides Benth.

shrub; 6-10 ft; fls.
graenish white.

184 Mikania micrantha cynanchifolia (HBK)Robins. Vine herbaceous; fls. white.

		SHEAR SHEAL	O source	
201	L85	Moist place.	Canna	5-8 ft, fls. pale yellow
				with orange-rea apex,
				and orange red leaf
				below; leaves at regular
				intervals along stem.
201	.86	Piper tuberculatum	ambitiosum	Shrub, 6 ft.
Are di Section 1	.87	Asclepias curassavi	ica L.	3-4 ft.; corolla red,
				crown orange.
John Hardware Control of the Control	88	Cenchrus	Š	
The state of the s	89	E patorium Roseorum	Robins.	Erect half shrub; fls. lilac.
St. A. S.	90	Cissus canescens La	am.	more or less woody, fls.
				greenish white.
lange of the state	91	Melochia lupulina S	Sw.	2-4 ft.; fls. white.
1.	92	Adenaria floribunda	a HBK.	shrub; fls. white, in clus-
				ters in axils.
SATE OF THE STATE	93	Panicum		common in cut over soil.
	94	Coix		
escape (95	Justicia comata (L.	.) Lam.	herb
Bing 19 20 20 20 20 20 20 20 20 20 20 20 20 20	96	Momordica charantia	a L.	Vine, fls. yellow.
	97	Hyptis mutabilis (R		herb, 5-8 ft, fls. lilac.
	98	Carlesa Carthagai	·····	fls. pink-purple.
trace of	99	Panicum		
2(00	Heliotropium rufipi	lum genuinum John	natomt. Ils. white.
2	01	Bihai Heliconia cam	roidea L.C. Ri	Simple stems, equally leafy;

fls. yellow, dark green

at apex.

2(0203	Dalechampia scandens L.	Vine, herbaceous
	204	Chamaesyce thymifolia (L.) Millsp.	
	205	Mimosa pigra L.	Shrub, very prickly, 5 ft;
			fls. rose,
	206	Lippia geminata HBK (Gray Herb.)	half shrub, 2-5 ft, fls.
		Lippia alba (Mill.)N.E.Br.(EPK)	pink.
	207	Bradburya virginiana (L.) Kuntza Centrosema furbes cens Benth.	herbaceous vine, fls. lilac
	1	Centrosema furbes cens Benta.	5 purple.
	208	Boerhaavia caribaea Jacq.	viscid. fls. purple.
	209	Oueurbit Sicyon	Vine
	210	Teucrium vesicarium Miller	2-3ft. fls. link.
	211	Talinum paniculatum (Jacq.)Gaertn.	woody at base; leaves fleshy.
	212	Acalypha subcastrata Aresch.	
	213	Fanicum	
- Comment of the Comm	214	7 7	
A. L. Cooper	215	ŦŢ	
ge gi	216	Amaranth Phappia iresinvectes (Hish) spring	straggling, 6 ft. fls. white.
	217	Garcilassa rivularis P.& E.	
	218	Chamaecrista stenocarpa (Vogel)Britt.	2 ft. fls. yellow.
	219	Gliricidia sepium (Jacq.) Steud.	Tree 30 ft, planted along
			fence; fls. pink-tinged.
	220	Triumfetta semitriloba L.	8 ft. fls. yellow.
	221	Triumfetta lappula L.	Fls. smaller than in 20220
	222	Ipomoea quinquefolia L.	herbaceous vine, fls. white.
To the state of th	223	Piper pseudo-marginatum	6 ft.
•	224	Shady place Ichnanthus	

20225 Ipomoea Meyeri (Spreng.)G.Don herbaceous vine, fls. purple-blue.

W-/ 226

Blades palmate: fls. green, short

Blades palmate; fls. green, short pediceled; fruit l in., ovoid, smooth.

Scrubby woods, native vegetation; low flat land, very wet in wet season, now completely dry except for a few ponds (all except as otherwise noted)

July 1, 1923

20227 Baccharis trinervis (Lam.)Pers. 8-12 ft. fls. white.

228 Eupatorium inulæefolium HBK. f. suaveolens (HBK.)Hieron.

229 Adenaria floribunda HBK. Tree 15-20 ft, fls. in axillary

clusters white.

230 Labiate Herb, long straggling branches,

fls. lilac.

231 Eupatorium laevigatum Lam. 8-12 ft. fls. lilac.

 \bigwedge -| 232 4 ft., felty and prickly; fruit

globose, felty-hirsute, 2

cm. diam.; fls. white.

233 Axonopus long runners floor of scrubby

forest.

234 Cestrum Calycinum Willd . Smell tree or tall shrub, 10-20 ft., fls. green-yellow-

ish green.

Heteranthera reniformis On dried mud, in wet season	R.& P. ns in pond. Nater plant, fls. white.
Lasiacis, ela	embering in woods, same as
Guayaqui	il, fr. small for sorghoidea.
Oplismenus	
Cordia	Tree 30-40 fr, fls. greenish.
Triumfetta Lappula L.	shrub 6 ft. fls. small, yellow-
	ish green; blades lobed.
Triumfetta semitriloba L.	shrub 5-8 ft. fls. me ium pele
	yellow; blades scarcely lobed
Solanum hyprocaly cosarum 21	Esmall tree, 10-15 ft., fls.
	white.
Adenostemma Lavonia (L.)Ktze	fls. white.
Piper melagrense Trel. TYPE	Shrub 6-15 ft.
Euphorb	tree 25 ft. fls. greenish.
Cordia Eggersii Krause	tree 18 ft. fls. white.
Carryllanthus	vine, 30 ft. fls. greenish.
Observations L. Compress,	herbaceous vine, fls. yellow.
Pavonia paniculata Cav.	Half shrub 8 ft. fls. orange-
	yellow viscid.
Mimosa pigra L.	Fruit of a prickly Limosa with
	rose fls., already collected.
	Lasiacis, clas Guayaqui Oplismenus Cordia Triumfetta Lappula L. Triumfetta semitriloba L. Solanum hypocaly cosarum Adenostemma Lavonia (L.)Ktze Piper melagrense Trel. TYPE Euphorb Cordia Eggersii Krause Cartaullanthus yandifolius J. (Comp. at Chaelocalyp panicul Pavonia paniculata Cav.

20250 Solanum

Half shrub, erect, 5-8 ft, fls. white.

251 Spirodela

Surface of water of Tond.

252 Around pond, Homeloceachrus

253 Moist place

Canna

3-6 ft., fls. clear pale yellow

254

Pennisetum

Single spikes terminating culms

or the few very long branches;

culms decumbent-rooting at

beso.

255 Eclinidorus enbulatus (mart.) Grieb.

256 Fried up fond Paspalum

257 " Panicum

258 Mesachites trifida (Jacq.)M.Arg/ Vine, fls. yellowish green, pods long and slender.

259 Olibadium surinamense L.

Shrub, 6-10 ft. fls. white.

260 Bihai

Heliconia latispatha Benth. Det Griggs

5-10 ft., bracts scarlet at margin & slex; lowest bract usually developed into a blade; blades sometimes bronze beneath.

Clibadium surinamense L.

Shrub, 8 ft. fls. white.

262 Dried up pond

Mikania micrantha cynanchifolia

(HBK.)Robins. Herbaceous vine, fls. white.

Cissus sicyoides L. 264

Woody vine, inflorescence scarlet.

Cordia Eggersii Krause 265

Tree 25 ft. fls. white.

				eme				July 2
$_{I}$ $^{\prime}$	20266				tilix	•		
	267	Along	fer	1ce				3 ft. Poinsettia heterophylla (L.)
	268	Meibomi	ia p	urpur	ea (Mil	ll.) Vai	.1	6 ft. fls. link, fading to
				-				Lluish.
	269	In cut	t co	ornfi	eld.	Ipomoe	a po	lyan hes R. & P. Vine, fls. yellow, considered a
								mest.
	270	Ipomoes	a ae	gyptia	ıL.			Vine fls. white.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	271	Along	r 08	edsid	e Syn	theris	ma	
·	272	T T				y 79.		\tilde{L}_{i}
	273	Phore	ıden	dron l	iscif	olium	<i>}</i> +, <i>1</i> 3, .	On a tree.
	274				ras	palum		Rough sheaths; common, clamber-
				•				ing over bushes, fence posts
								and trees to as much as 15
								ft., old racemes reflexed.
	275	Phasec	lus	hirsu	ıts Mar	ct.		Herbaceous vine, fls. yellow.
	276	Dried		pond				Herb Cynoctonum Mitreola (L.)Britt.
	277	Fame (Sanda	Banan Arma	Ş	Jussia	aea suff	ruți	Cosa L. Pls. yellow, petels fugacious.
	278	The state of the s	Z	¥ 7	E	Celunid	ae (n	nart.) bruel
	279	12 TO F	1 half	- B	Meni	suris		
	280	r • •)	T "}	Radio	cula Nas	turt	ium-aquaticum (L.) Britton & Rendle
	281	51	75. dg	12. 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1	Phys	salis		Innual, fls. yellow with purple
								eye.
	282	# r	ti de de la companya	Print 1				Herb. Microtea debilis Sw.

	process and	
W-: 1 20283	A ong stream Panieum	Among Gynerium sagittatum; hairs
		on sheaths trickly, irritating.
284	Inga	Tree 40 ft. fls. white.
285	Among shrubs and grasses	Leptochlos
286	Nama spinosa (L.) Kuntze	4 ft.; fls. a beautiful blue-
		rorite.
287	Cissus Rhombi Folia VAhl-FOR	woody vine, inflorescence red.
288	Cestrum reflexum Sendtn.	Tree, And ft. fls. yellowish green.
289	V	Herbaceous vine, fls. white with
		purple spots in eye.
290	Edge of timber Carica	Fapaya, wild similar to the cult.
		Jioecious. With sessile fls,
		2 in. long: fruits numerous, share
		o cult. but smaller, 4-6 in.
		Trees p to 15 ft. in ganicles
		l ft. long; fls. smaller.
291	Hamelia pedicellata Wernh.	Shrub 6 ft. fls. yellow & red.
292	THE THE THE THE	nerbace us vine
293	Meibomia infracta (oc.) Blake Chamissoa altissima (Jacq.) HBK	. Shrub 15 ft, with straggling or
		vine like branches; fls.
		white.
294	Panicum	Strangling and branching at base.
	Lasiadis	

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20296 Calopogonium coeruleum DC. Herbaceous vine, fls. blue.
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- W- 297 mong bushes Castilleja communis Benth.
 - 298 Adipera Hitchcockii B.& R. (Cassia) mall tree, 15 ft. fls. yellow.
 - 299 In timber Lasiacis Straggling and branches at base.

Frovince Chimborazo. Huigra. Along July 4

- 20300 Lemaireocereus godingianus B.& R Organ cactus, up to 20 ft.
 - 301 Ipomoea derb. vine fls. purple.
 - 302 Farosela astragalina (HBK.) Uhrub 6 ft. fls. blue.
 - 303 Gnaphelium elegans HBK. 2-3 ft.; fls. white.
 - 304 Minthostachys mollis (HBK.) Epl. Halfshrub, 6-8 ft. fls. pale lilac.
 - 305 Hyptis pectinata 6 ft.
- My / 306 Shrub 3 ft. fls. blue.
 - 307 Acnistus arborescens (L.) Schlacht " 10-20 ft. fls. white.
 - 308 Flat mats in open ground Richardia brasiliensis Gomez
 - 309 Lepidium bipinnatifidum Desv. Weed alon track.
 - 310 Eupatorium solidaginoides FBK. Helf shrub 8 ft. fls. white.
- W. / 311 Euphorbia boerhaavifolia Boiss.
 - 312 Allionia prostrata (R.& P.) Kuntzetraggling much branched.
- Ohsetochlos

 Sla 42+constant elongala (Willa Stand.

314 Alternanthera paniculata HBK. " Ils. crim-

son.

Thick stem, 1-2 in., 1 ft. tall, infl. at summit, fls. white, jink-tinged; no leaves present.

(20316 Labiate	6 ft fls. lilac
	317 Mentzelia soaratensis Trb. & Gilg	Shrub, 8 ft. fls. orange.
	318 Siegesbeckia orientalis L.(?)	ILS. yellow.
	319 Carduaceae. Baccharis poly as	tha HBK.
	320 Cuscuta odorata	Growing on various shrubs and
		herbs; fls. shining white.
	321 Helianthus hyperargyreus Blake	3-9 ft. fls. yellow.
	382 Along Ry cut Muhlenbergia	
	323	herb 3-5 ft. fls. scarlet.
4	324 Salvia tiliaefolia Vahl	3 ft. in fruit.
	325 Dioscorea chimborazensis Knuth	Vine, leaves all withereu.
W - 1	326 Along By cut Pereilema	
	327 " Adiantum concinn	num H. & B.
	328 Slope of hill Andropogon	
	329 Heteropogon	annual, culms costly single.
	330 Castilleia communis Benth.	Flowers scallet.
	331 QUAMOCLIT COCCINEA	Vine fls. scarlet (L.) moench.
	332 Clematis sericea HBK.	Woody vine in fruit.
	333 Dry slopes Uniola	Bunches.
	334 Helianthus hypargyreus Blake	•
	335 Pavonia Sida ricinoides L'Ner	6 ft fls. salmon fink.
	336 Croton callicarpaefolius Vahl	Small tree or shrub 8-20 ft.

-25hroutum f. glabratum muller (Net muller)
20337 Lycopersicon cerasiforme Dunal Herb. branches slender, vinelike

fils. yellow.

338 Buettneria parvifolia Benth. Tree or shrub 6-20 ft.

W- | 339 Rocky cut Pellaea flexuosa (Cav.) Link

Chamaesyce lasiocarpa (Kl.) Arthur dark spot.

341 Paspalum

342 Vernonia canescens HBK. Shrub 6-8 ft. fls. white.

343 Barnadesia " 10-15 ft. roys crimson.

344 Dry slope, among shouts Melica

345 Cardiospermum grandiflorum Sw. Vine, fls. white.

346 Piquieria peruviana (Gmel.)Robinshrub 10 ft. fls. white.

Satisaliana divarenta Dende Ing Det. L. B. Smith

on trees, Ils. lilec.

348 Carduaceae Half shrub fls. orange.

349 Bog Polylogon Ferennial.

350 " Agrostis

351 " Kyllinga brevifolia Rottb. Ferennial with rhizomes.

352 " Eleocharis costulata Nees & Meyen

NW-11 353 Rocky slope Pennisetum

354 Rocky cliff Notholaena sinuata (Sw.) Kauff.

355 Mikania cordifolia (L.f.)Willd. Vine, all upper jort herbaceous; fls. white.

356 Cissus compressicaulis R. & P. Creeping over rocks and along pround.

357 Solanum nigrum L.

20358	Furcraea macrophla Daker	Common on the slopes; leaves 2-
	Dot. H. 1	4 ft. even 8 ft. long, mostly
		4-6 in. wide, infl. 10-15 ft.
359	Liabum eggersii Hieron.	Shrub 8-15 ft. blades white-to-
		mentose beneath, fls. yellow.
360	Venchrus	
36 1	Slope Chaetochloa	Base decumbent and tangled in
		shade of bushes.
W-1 362	Lesiacis	
363	Eupatorium odoratum L.	Shrub 10 ft. fls. lilac.
364	Malvastrum scabrum (Cav.) Gray	
365	Hyptis lachnosphaeria Epl.TYPE	Half shrub, branches long &
		streggling, up to 10 ft. fls.
		bluish.
	Helianthus hypargyreus Blake	3-5 ft. fls. yellow.
36.7	Indigofera suffruticosa Fabaceae Milla	Creeping vine; fls. salmon-orange.
368	Parosela astragalina (HBK.)	Shrub 6 ft. fls. blue.
369	Carduaceae	Herb. single stem up to 12 ft.
370	Rocky slope in moist place	Vine 30 ft. Myriocarpa stipitata Bth.

Physalodes physalodes (L.) Britt.4 ft. fls. blue.

20372	Pavonia sepium St.Hil.	6 ft. shrubby, fls. orange yellow.
373	Allionia prostrata (R. & P.) Kunt	ze
8 Mi-1, 374	Vernonia canescens HBK.	Helf shrub fls. white.
375	Minthostachys mollis (HBK.) Epl.	" 6 ft. fls. white.
W-1 376	Lasiacis	
377		Small tree or shrub up to 20 conia integrifolia (H.& B.) DC. ft.; juice orange even in
		trunk.
378	ii ii in in in	shade. Adianthm concinnum H.& B.
379	Oxalis pubescens HBK.	Floshy stem, 1 ft.; fls. orange-
		yellow tinged with Lrown.
380	Rumex conglomeratus Murray	Herb 5 ft. straggling branches.
381	Crotalaria incana L.	4 ft.
382	Sporobolus	
383	Tessaria integrifolia R.& P.	Shrub 8-15 ft. fls.lilec.
384	30g Jaegeria hirta (Lag.) Less.	LA LYRK.
385	Carduaceae. Bacchasis poly	8-15 ft. fis. Minite.
386	Croton ruigianus muell ling.	and 8-15 ft. fis. Maite. What is a short of the state of the short of
387	Varronia Rosei (Killip)	Lå i jå kå
2 W = 11 388	Caesalpinia pectinata Cav.	" 20 ft. mostly in fruit.
		Common.
389	Viguieria aurea	5 ft. fls. orange-yellow.

20390 Eupatorium odoratum L.

shrub, 16 ft. fls. lilac. (All leaves with fungus)

391 Piper phytolaccaefolium

Chrub, 6 ft.

392 Phenax laevigatus Wedd.

11 8-15 It.

393 Floating on water in bog Azolla

594 Bog Hydrocotyle licayensis Rose Fls. White. Leneve phala C. -5.

395 11 Eleocharis montana R. & S.

Anagallis pumila Sw. 396 "

397 "

Calcerlaia palustis Soduo (! Fwp.)
Fagolia Palustis Soduo (! Fwp.)
Ils. pelo yell w. 398 "

399 " Mark

Muhlenbergia

400 " Viguieria aurea (HBK.) Hieron. ft. fls. orange-yellow.

401 Floating in water of bog. Lemna

Province of Guayas. Teresita, (a banana plantation) July 5 3 km west of Bucay. Very rainy place, rains usually every day.

20402 On tree trunk The state of the s Asplenium auritum Sw.

> 403 Peperomia monoceros Trel

404 Open ground Pilea hyalina Fenzl

405 Datura Small tree, 10 ft., fls. white,

pendulous.

20406 Guzmania lingulata (L.) mez. On tree; bracts scarlet, fls. scarlet below, white at

1) 407 Tillandsia nauthecivia e pon tree, fruiting raceme decurveu

408 Peperomia bucayana Trel. TYPE

409 Orchid

410 Polypodium

411 Peperomia cryptostachya Trel TYPE

Didymochlaena truncatula (Sw.(J.Sm. Perrestrial, frond 4-5 ft.

413 Open ground Paspalum

414 Ossaea micrantha (Sw.) Macf.

415 Common in woods

Tree 15 ft. fls. white.

Bamboo, spiny, as much as 6-7
in. diam., 60 ft. tall; feathery
looking in distance like
Thyllost. mitis. Young shoots
rather stout, rather blunt
pointer; sheaths strongly hirsute with black hairs, the
young shoot appearing dark.

416 Psychotria macrophylla R. & P.

S.rub 3-8 ft; fls. greenish, fruit globose, whitish-green, 5 mm. diam.

20417 Erythrina esculenta Sprague Tree, 15 ft. few branches;

leaves clustered at end of stem & branches; fls. scarlet, very dociduous, on slender branches from trunk; fruit globose,

schimpfii Diels 1-seeded. (20545)
418 Erythrina to Sprague Tree similar to 20417; single

leaves trunk, leaves clustered at summit; fls. scarlet, very deciduous on fls. slender branches from lower part of trunk; fruit 6 in. long.

- 419 4 ft. fls. yellow. Aspilia eggersii Hieron.
- Eschatogramme furcata (L.)Trev. On tree trunk.
 - Stort erect stems 3-5 ft.; fls. 421 Campelia zanonia (L.) HBK. pur lish.
 - Peperomia chalazodea Trel. TYPE On branch of tree. 422
 - 423 On moist ground Selaginella
- 424 Moist open ground Panicum W-1
 - 425 Ichnanthus tangled mass, edge of thicket; sheaths hirsute.
 - 426 Moist ground edge of thicket, fls. white. Tradescantia geniculata Jacq.

2(0427					ngle stem with short branches det.SFB); S. oppositifolia (Kuntze)Rydb. OW. = S. Hoffmannii Kuntze (det.PAR)
	428	de de	F T	11	gree	nish. Aneilema ovato-oblongum Beauv.
	429	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ÏÏ	Oplismenus	3	Tangle 3-4 ft. long, fl.
						branches erect.
	430	Cli	badium 1	laxum Blake IS	OTYPE	Branched herb, 6-8 ft. fls. white.
	431	Ure	ra bacc	ifera (L.) Gau	.d.	3-4 ft. stinging nettle.
to de la constant de	432	Clam	bering	in thisket	Lesi	ecis
	433	Open	moist	ground	Pani	.cum
	434	de Table To the	¥ #	īF	2001	alum Weed in field
				SPACE WATER SPACE WATER STATE STATE STATE	none libuu gen. Augen esama	
	!	leres	ita fo:	rest between	n hous	e and station. Collections
				forest and a	- 1	
W-1 2	0435	Gals	ndra (S)	acquatorial such Cook	Det. E. P.	infl. creamy white, 4 ft. pen-
					21 (type	

436 Bromel Lugmania hitchcockiana on small tree 3 ft.

May 437 Forest Lasiacis

438 11

W-1 439 Polypodium loriceum L.

9 W - 1/ 440

On tree

Terrestrial, mostly acaulescent, petiole 2-3 ft. fls. white.

441 Orchid On tree branch.

442 Hidalgoa ternata Llave & Lex.

High climbing herbaceous vine; leaflets 3; disk yellow, rays red.

Shrub 3 ft.; tip of leaf scarlet; W-1 20443 fls. greenish with dark purple streaks: blades similerly colored along midrib and veins beneath. Shrub 6-8 ft. corolla white calyx 444 Clidemia dentata (Pav.)D.Don linh. 445 Forest in shade. Ichnanthus probably 20446 446 Edge of forest in open Ichnanthus Shrub single stem, fls. white. 447 About 4 ft. fls. creamy. 448 Shrub 4-8 ft. fruit (unripe) 449 Faramea maynensis Spruce dark green. Erect from decumbent base. 450 Araceae Shrub 4-8 ft. fls. white. 451 Tournefortia cuspidata HBK Tournefortia hispidissima L. On tree 452 Asplenium serratum L.

> -etioles 3-6 ft. Infl. 2-4 ft. 453 Forest Pleiostachya Morlaei (Eggers) K. Schum. from gr und; fls. creamy, l petal rink.

On branch of tree. 454 Peperomia Hitchcockii Trel TYPE On tree. Eschatogramme hitchcockii O*Chr. Climbing high, woody, fruit only. 456 Begonia On tree. Asplenium auritum Sw. On branch of tree. 458 Peperomia chalazodea Trel. TYPE 20454?)

Peperomia teresitana Trel. TYPE

459

W-/ 20460 Tabernaemontana Poeppigii Auelhrung.4 ft. fl. white.

461 Gesnercaeae "3-6 fr., fls. pale yellow, bracts or calvy orange

bracts or calyx orange red; tips of leaves red-brown.

10/ 462 Polypodium fraxinaefolium Jacqun tree

463 Gesn raceae Shrub 4 ft. fls. reddish yellow

464 Open ground, clearing. Vine. Ipomoea tiliaceae (Willd.) Choisy

465 Polypodium piloselloides L. On tree branch.

466 Costus spiralio [acq] Rosc Shrub, single stem; leaves spiral; bracts red, fls. orange red.

467 Panicum

468 Open ground edge of timber. Ichnenthus low growing cf 20446

469 Weed along road. Flowers blue. Frowallia amer cana L.

Axonopus "Gamalote", good forage; 6 ft.

471 Open ground. Euphorbia adiantoides Lam.

472 " Chetochloa

2

Fls. yellow. Lotoxalis Barrelieri (L.)

474 Moist open place. Hydrocotyle licayensis Rose buer cephala (book) markins

20475 Blakea subconnata (Taf.) BergTree 20 ft. fls. pink, rose tinged.

476 Up to 12 ft.; inflorescence 4 ft. from ground; fls.

Calathea insignis Peters

pale yellow.

My 477 Shrub 3 ft. fruit scarlet.

// / 478 Shrub 8 ft.

479 On tree Nephrolepis

480 Vine, fls. white. Nephromeria Poeppigiana Schindl.

481 Shrub 6-8 ft. fls. white Trichilia macrophylla Benth.

Renealmia
482 Leafy stem 3 ft., calyx red, corolla white-cream.

483 Tree 20 ft. fruit orange to red. Allophyllus punctatus Radlk.

484 Floor of forest erect. Selaginella

W-/ 485 On tree.

486 On floor of forest herb Spigelia anthelmia L.

W-/ 487 Terrestrial, 3 ft.

488 Acaulescent. Araceae Vincentia Ensifolia Bockl.

489 Climbing. Araceae

Baill. 490 Woody vine, fls. greenish white Aparisthium cordatum (Juss.)

W - 491 cf 20450

492 Shrub 6-10 ft. fls. pur lish blue. Cornutia odorata (Copp. & End)

Prestonia portobellensis (Benth.) Woods.

Prestonia portobellensis (Benth.) Woods.
493 Woody vine, high climbing, fls. yellow with brown

streaks, calyx green; pedicels & base of calyx purplish.

Wulffia baccata (L.F.) Kuntzehrub, wide spreading; heads yellow.

Mandevilla veraguensis (Seem Woody vine, high climbing; fls. 495 Hemsl.

racemose, corolla green outside.

dark purplish blue inside.

496 Low moist place Peperomia hispidula

497 Solanum

Shrub, wide-spreading, 10 ft. fls.

white.

498 Mucuna RostRATA BENTHigh climbing woody vine; fls.

orange, spotted with dark red

or nearly all red.

499 Opening in forest Imperata

500 Liabum eggersii Hieron. Shrub, wide-spreading, 6-10 ft. fls.

yellow.

501 Centropogon cornutus (L.) Druce3 ft. fls. scarlet-rose.

502 Monnina pamentata Mil. Shrub 6-8 ft. fls. rather dark blue.

503 Moist open gound, Oreeping and rooting in mats; fls. Lindneria crustacea(L.) blue-lilac.

504 3 ft. fls. yellow (cf 20419)

505 Begonia High climbing, fls. white.

Triseta, Road through forest and along Ry. west of station.

July 7

PELTATUM PIPER 20506 Petemorphe peltata (L.) Mig. Herbaceous vine, 3-4 ft.

507 Pseudabutilon spicatum(HBK) Erect herb 3 ft. fls. yellow. Fries

2	60508 Manettia teresitae Standl. Chartocaly & paniculatus H 509 Fabaceae	
	510 Mone By. small tree, f	
·	511 Eupatorium obtusiaquamosum Hi	eron. ft. fls. white.
	512 Costus argenteur R. & P.	8 ft. leaves in spiral, single termi- nal cone.
	513	Single stem 8 ft; leaves clustered
		at summit, fruit ovoid scarlet.
-	514 Psychotria racemosa (Aubl.) W	Shrub 5 ft. fruit globose, some-
	1 Sy OHO OT LA TACCHOSA (AUDI.) A	what depressed, orange.
	515 Mikania cordifolia (L.f.) Wil	Vine, herbaceous, fls. white, no
		leaves on part accessible.
	516 Bradburya Plumieri (Turp.) Ku	Woody vine, fls. white, standard
		with a showy purple center, other
		perts purplish at til.
W-1	517 Gynerium	Common along river
	518	4 ft. fls. scarlet, dark-tipped.
	519	Terrestrial; fls. white
	520 Meibomia uncinata	Fls. white. (JACA.) Kuntze (AFF.)
Total Action Control of the Control	·521 Axonopus	
	522	Terrestria;
- e.		tze var. pallescens (C.Chr.) det. Weatherby var. aequatorialis C.Chr. det. Maxon

-37 -Lasiacis Clambering, much branched. W-120523 524 Acaulescent or nearly so. 525 526 Anthurium Saccardoi Sod. Shruh or tree up to 20 ft. fls. white. 527 Vernonia baccharoides 528 stensepermatium Ulimbing. Forgipetiolatum Engl. 529 Polypodium 530 Shrub 6 ft. fls. on bare stem. 531 arthrosterma campanulare Shrub 4-8 ft. fls rose. (Naud.) Triana 532 Hemistylis boehmerioides Bth. herb 4 ft. 533 allophyllus leiophloeus Tree or shrub, 15 ft. fls. white. 534_Forest Isachne Panicum . 535 536 Open place along trail in forest Panicum Climbing 537 Araceae 538 Edge of forest Chaetochloa, 6 ft.

Road through forest to Bucay July 7

20539 Echites trifida Jacq. Vine, probably woody, but accessible portion herbaceous.

540 Rubus boliviensis Focke Shrub, 6 ft.; fls. white, fading pink, fruit black.

7 541 Renealmia rubroflava KSchBasel stem 1 ft. fruit scarlet.
Det. E. P. Killip

542 Bihai

15 ft. blade 4 ft. long, 14 in. wide

bracts scarlet above, 10 in

cluster.

20543 Costus argenteus R.&P. 12-15 ft., leaves in spiral, fls.

4 in. long, pale lilac, or white

tinged with lilec.

544 Gesneriaceae Shrub 8 ft; fls. scarlet.

545 Fruit of 20417

546 Diplazium obtusum Desv. Terrestrial, fronds 10 ft.

547 Diplazium obtusum Desv. "6 ft.

548 Oucurb Sicyos unvalam Herb. vine.
549 Cyclanthera termisepala " Eyelanthera aff. E. tennisepala " Egelanthera aff. E. tennisepala " Ogelanthera aff. E. Tennisepala" Cogn.

Moist vertical face of rock; fls. white.

551 Gouania polygama (Jacq.)Urb. Woody vine, climbing high; fruit
3-angles or with thick wings.

W-/ 552 Govania Polygama (Jacq) URQ20551, more mature fruit.

W- | 553 Leaves 5 ft., spathe white.

554 Hamelia grandiflora Spruce Shrub 10-15 ft., fls. yellow fruit scarlet.

Province Guayas. Panigón Flantation 8 miles south of Milegro.

July 11.

W-120555

axonopus, from Volombia, being tested by Mr.

Rorer as forage plant.

556Common along river Gynerium called "Cana veral".

557 Out-over land Herb. vine; fls. blue. Calopogonium mucunoides Desv, or C. orthocarpum Urban

558 Tree 40 ft. fls. yellowish green.

GUAZUMA ULmi Folia damu Guarmo" firewood, fairly hard.

20559

Eriochloa

W-1 560

Imperata

Com on, bad weed.

561 Muntingia calabura L.

Tree, furnishes the wood

"neguito" soft, easily

worked, for inside timbers

and frame work of houses.

Trunk mostly straight

and excurrent; fls. white.

562

Eriochloa

Common along river and in low land; looks like Para grass but finer. Called Janeiro morado. Jult.as forage.

Nodes hirsute.

July 12

20563 Ipomoea Meyeri (Spreng.) G.Don Herb. vi.

Herb. vine; fls. rose-purple.

564 Old field

3-4 ft. herb. fls. white.

Baccharis trinervis (Lam.) Pers.

565 Weed in old field Rytilix

566 Edge of field Andropogon Large masses.

567 Phyllanthus grandifolius L.

Tree 30 ft. fls. yellowish

green called "Jobo".

W-1 568

Lasiacis

569

ĨĬ

20570 Eragrostis Annual, 4 ft. bunches of 8-10 culms.

571 Damp place Fanicum

572 Piper pseudomarginatum Shrub 6-10 ft.

573 Hage of woods Oplismenus

574 Solanum suaveolens (Kth.& Straggling rather delicate herb,
Bouché
stems up to 6 ft. long but low;

fls. white.

575 Cuourb Claterium Herb. vine, fls. white.

Lesiacis

M / 577 Phragmites? "Cariza", gregarious, not in flower.

578 In old field Porophyllum ruderale (Jacq.) Cass.

The state of the first part of the state of

spot at top of blue.

580 Moist place Panicum Large clump.

581 Chaetochloa Among Gynerium and shrubs.

July 13

(Comp. at Kew; - Hothers 1595) wild; fls. white. "Guabo de Bejuco"

583 Trema micranthum (L.) Blume Tree 30 ft., îls. green. "Sapan de Paloma"

W-/ 20584

Lasiacis

Note open panicle and small spikelets.

W-/ 585

The common large bamboo; shows vigorous leaves of young shoots.

586 Milleria quinqueflora L.

Herb 8 ft.; fls. yellow.

587 Smilax

Woody vine.

588 Centrosema virginicum (L.) Benth.

Herb. vine, fls. rose-purple.

589 Serjania diffusa Radlk.

Woody vine, fls. white.

590 Ipomoea Meyeri (Spreng.) G.Don

Herb. vine, fls. rose purple.

591 Erythrina QLAUCA Willd.

Palo rieto", used as shade
for cacao; fls. standard
salmon-yellow, wings red on
upper half, keel very pale
yellow tinged with red; tree
up to 40 ft; trunk and branches
with short prickles.

592 Solanaceae

Shrub 8 ft.; fls. white.

593 restonia glabrata HBK.

Vine, flowering part at least herbaceous, fls. yellow.

594 Jatropha curcas L.

"Physic nut" "Pinon". Used for live fence losts in dry land; will not endure water.

Herb. vine, fls. white. 20595 Echites trifida Jacq. Annual, 2 ft. large clumps. Cenchrus 597 Common in sandy dry river channel, fls. yellow. Crotalaria anagyroides HBK. W / 598 ft., on new soil along river. W 599 Forming long slender runners as much Paspalum as 4 ft., along river on new soil. Herb. vine. 600 Cut-over land Ipomoea polyanthes R. & S. W-1 601 Panicum Pennisetum Among brush & tall shrubs. M-1 602 Province Chimborazo, nuigra July 16 Dry bushy slope, hill north of Huigra. Herb vine, thickly covering brush 2060% Cucurbit near waterfall. Same. 604 Cucurbit 605 Rocky bank Adiantum concinnum H. & B. 606 Shady bank Carexpolystachya Wahl (Det. mackenzie) Lasiacis Among shrubs W- / 607 Chaetochloa Slender, brinched, straggling among 608 shrubs, perennial. Valota? Among shrubs

Stipa

610 Dry hill

617 Calea huigrensis Blake Shrub 3 ft.; fls. yellowish.

618 Tropaeolum huigrense Killip Rerb. vine; fls. yellow with orange veins on the 2 large petals.

619 Arcytophyllum thymifolium Shrub 1 ft.; fls. white

620 Favonia Sida ricinvides L'Her. Herb 4 ft.

W-/ 621 Heteropogon (probably 20329)

623 Chamaesyce lasiocarpa (Kl.) Annual; some plants with hard woody Arthur
base, others delicate.

624 Onoseris salicifolia HBK. Shrub 2-4 ft; fls. rose-magenta.

825 Oacsalpin (D. R. ined. "4-10 ft; fls. rose-scarlet.

Andropogon Large bunches on dry slope.

627 Dry slope Muhlenbergia Large bunches.

628 " " Heteropogon

W-(629 " " Bouteloua

20630 Dry slope 3-6 ft.; fls. yellow. Perymenium ecuadoricum Blake Vine, seems to be herbaceous; fls. 631 Passiflora manicata (Juss.) Pers. brilliant scarlet. 3-6 ft.; fls. yellow. 632 Viguieria aurea (HBK.) Hieron. Large cluster of leaves at base; 633 Tillandia erectiflora André inflorescence 3-6 ft, bracts and celyx scarlet, corolla white. Somewhat shrubby, much branched, 634 Helianthus hypargyreus Blake 4-6 ft.; fls. yellow. Common. 635 Shady bank Pereilema

Prov. Chimborazo Huigra to Naranjapata along railway.

July 17

W 20636 Sprucei mast.

Herb.vine; corolla lilac, filaments of crown crossbarred with lilac and purple.

Echinocystis rusbyi 637 Moist slope near E Naranjapata Cucurbit

Herb. vine, fls. white; fruit very t spiny, spines rather soft, hir-sute-lanate but point rigid.

638 Dry bank
Eucrosia Morleyana Rose

Bulb soft, fls. yellow.

20639 Wet cliff, Naranajapata Begonia serotina A.DC.

Erect, caudex scarcely above soil; fls. white.

40 probably 20639 Begonia serotina A.DC.

41 Rocky cliff Orchid Fls. rose-purple.

42 Begonia ACERIFOLIA HBK. Leaves of preceding flowering Begonia with stem 1 ft. high.

43 Partly shady slope Tripsacum, large bunches, 4-6 ft.

Ungus on 20643

45 Acalypha padifolia HBK. Tree or shrub, 10-15; fls. (stigmas?) purple

46 Mucuna rostrata Benth. Woody? vine; Infl. pendulous,

(Comp. at Kew) fls. orange-yellow, standard

and wings blotched with

purple.

47 Moist cliff Oxalis hedysaroides HBK.

48 Cliff and dry banks Gesner Ils. reu, tinged with orange.

Eupatorium hüigrense Robins. Straggling herb. 3 ft, fls.

Dxy ba Phus violac Eus (L.) Chois-

Herb. 2-3 ft. fls. pale purple.

lilac-purple.

51 Eupatorium solidaginoides HBK. " 4-6 ft. fls. greenish yellow.

52 Moist bank Paspalum

Andropogon, probably 20616 but less pubes-

20654 Moist place Chaetochloa Straggling among shrubs.

55 Stony bank Andropogon Panicle looser branches spread-

ing (cf 20653)

//-/56 " slope Paspalum Among shrubs.

57 Wigandia crispa (R. & P.) HBK. Herb 3-8 ft.; fls. pale yellow or creamy, greenish outside; stems & foliage densely covered with prickle-like hairs; fls. not open in forenoon.

58 Along track Acalypha Foiretii Spreng.

59 Stony bank Pennisetum Heads brown-purple.

60 Dry slope Andropogon

Aristida Annuel.

62 Chematis sericea Fls. of a preceding no., fls.

scarce fruiting season.

63 Stony hill Erythrina Amithiana Small tree 10-20 ft., no leaves,

branches and trunk with short prickles; fls. scar-let.

Anneslia subnervosa (benth.) RoseSmall gnarled tree of shrub 5-10 ft. rose-scarlet-gale rose fading to dark rose.

65 Along Ry.
Chamaesyce serpens (HBK.) Small.

20666 Begonia

Fls. to go with 20642 ?

67 Buddleia americana L*

Shrub 6-8 ft.; fls. yellow-green.

68 Among brush Bennisetum

Up to 10 ft.

69 Stony slope

5-6 ft, or taller, much branched above.

- 70 Baccharis trinervis (Lam.)Pers.Straggling half-shrub, 3-4 ft.; fls. creamy white.
- 71 Polypodium angustifolium Sw. Hanging from wet cliff.
- 72 Moist place in shade Panicum
- Herb. vine. 73 Near Maranjapata.

Waleriana Candolleana Gardn. pods explosive. 74 Moist woods

Fls. yellow.

75 Wet cliff

Oxalis hedysaroides HBK. 76 Rocky slope

Terrestrial, blades splotched with

purfle.

" Andropogun 77

78 Tibouchina longifolia (Vahl) Bailf. White.

80 Moist slope Pereilema

Often in large bunches of trickly 81 Rocky cliff Pitcairnia exscapa Hook,

bracts with a few flowers. Fls.

20674. Enclanthera?

scarlet. No large leaves (except I speciren), probably come at different season.

20682	Among brush rather	Chaet chloa
	moist place	

Shrub 8-15 ft.; fls. whitish Tovaria pendula R. & P. green.

3 ft.; fls. white. 84 Schistocarpha paniculata Klatt

> Shrub or small tree 6-15 ft.; Hamelia patens Jacq. fls. scarlet, fruit black.

July 19 Prov. Chimborazo, Alausi 20686 Grassy slope Nassella Common 87 Open cut Aristida Annual 88 Ry. " Cotula australis (Sieb.) Hook.f. 89 Open ground along Ry. Bromus 90 " " Eragrostis (not il sa Wassella 91 Open grassland Branched, 3-4 ft. Barnadesia 92 Nicotiana rustica de (Net. Soodspeed) 2-4 ft.; fls. green. " scarlet. Labiatae 94 We / 95 Along Ry. Chloris 96 Open grass land Bouteloua Common " 2-4 ft.; fls. rose-purple. 97 Lamourouxia virgata HBK. Common Stipa

strebélie Hieron Costrum Shrub 8 ft. fls. green.

Large bunches on hillsides, " Cortaderia 20700 basal cluster 3 ft. infl.

6 ft. head rose-tinted.

20701 Open grass land Stipa

	02	Along arroyo Allienia prostrata (R. & P.) Oxybaphus Expansus (R.P.)	Straggling, much-branched, 4-8 Kuntze Ah/. ft.; fls. magenta-purple,
			sticky.
	03	Allionia prostrata (R. & P.) Kunt:	zeSimilar to 20702 but less sticky
	04	Open grassland	Half shrub 1-2 ft. rays white.
	05	Tagetes graveolens L'Her. Along bank	1-2 ft.; fls. lavender.
	06	Satureja rigidula Epling Baccharis floribunda HBK.	Shrub 4-8 ft, forming close
			leafy mass. fls. white.
W-1	07	Open cut Festuca	Common but too old.
	08	Stipa	
	09	Grassland S_orobolus	Common
	10	A ong Ry. Brassica nigra (L*) Ko	ch4-6 ft.
	Aug Strain Strai	Hillside Labiate	Fls. rose-purple.
	12	Grassland Stipa	Common.
	13	Hillside Eragrostis	u 🛊
	14.	On bank melanotarpa	
	15	Open cut	Ils. pale rose.
* ************************************	16	Erodium cicutarium (L.) L'I grassland Aristida	Common but too old; all blades
			curly.
	17	n Bouteloua	
	18	n Bragrostis	Common
	19	Labiate	Shrubby fls. lavender
	20	Meibomia aff. uncinata	2-4 ft.; fls. rose & blue.

			-50-		
W-/20)721	Open grass	aland	Stipa	Jommon
	22	CSC.	u among tus	Agropyro	on
37 (L) ()	/ 23	Along cut		Paspalun	n
, ,	24	Malvastrum	peruvianum L	ł a	Shrub 3-4 ft.; fls. rose-purple.
	25	Salvia pho	enica HBK.		2-4 ft.; fls. scarlet.
	26	Franseria a	rtemisioides	Willd.	3-6 ft.
	27	Grassland		Stipa	Common
	28	Iochroma lo	xensis Miers		Shrub 4-6 ft.; fls. brown-purple.
	. ; k	Prov. Chim	borazo, Hu south		ad toward Cuenca, up hill to July 20.
2(0729	Dry hill			Woody vine, fls. white.
			Paullinia lachnocarpa Benth A ong irrigation stream Hypericum uliginosum HBK.		Ils. yollow.
	31	Dry hill	n u igrensis B	lake	2-3 ft.; fls. yellow.
	32	Moist sha	-		Fls. white with reddish throat.
	33	Dry slope		. 16 ¢ CO 4 ¢	Shrub 8-15 ft.; fls. white.
	34	17 19		T	Straggling 8-15 ft.; fls. lilac.
The state of the s	35	TECOMA	rium odoratu AZALEAE	FLORA (H.B.	K. Tree 20 ft.; fls. yellow.
	36	" thic		do rinir	Shrub 10-15 ft.; fls. white
		bacchai	ris floribun	ida HBN.	turning pinkish.

Rubus adenotrichus Schlecht.

37 "Rubus adenotrichus Schlecht.

38 Bushy slope Melica

39 On tree
Bromel

Numerous leaves in pasal cluster; infl. single spike 2 ft., fruit only.

Shrub 8-12 ft.; fls. white.

20740 Shady place

Fagelia

41 Dry brushy slope Chusquea

42 Dry slope Maytenus

2 ft.; fls. yellow.

Sterile, straggling, 8-15 ft.

Small tree or shrub 10 ft.; fls.

green.

43 " grassy " stipa

44" thicket L siacis Aspect of L. divaricata with zigzeg shoots, but panicle branches pubescent, & pubescent at throat of sheaths; ligule visible, clambering among shrubs.

45 Dry slope Farosela nova (Ulbrich) Macbr.

Jhruh 2-3 ft.; fls. deep violetpurple.

W- / 46 " thicket Festuca

47 Passiflora rubra L. Herb. vine; fls. creamy white inside, base of crown purplish, outside greenish with pur lish veins; fruit rosepurple on angles & base, finally throughout.

Orchid

On tree.

" base of tree, fls. brownishorange, center little warker 20750

60

10-15 ft, large shrub or tree, fls. greenish white.

51 Barnadesia Shrub straggling up to 12 ft., branches stiny at base of branchlets, spines slender in pairs or clusters (on

older parts); rays scallet.

Hillside north of Huigra, along old Ry. grade July 27 Bunch 20752 Grassy hillside Elionurus Indropogon Lasiacis 54 Moist thicket Clambering 55 15 ft.; stems devoid Begonia of leaves, rather woody, but fragile, much lith; infl. terminal; fls. white, pink-tinged. 56 On tree, no bulb; fls. Orchid orange-salmon. 57 Grassy bank Stipa 58 Eragrostis Ħ 59 Trisetum 17 Br omus

•					55 m	
	2076	1	Grassy hill		Aristida	Old blades flat & flexuous.
A Comment of the Comm	6	12	Dirt cut		Testuca	
2 1	f C	53	Moist thicke	ne Con		In tree, fls. yellow with
~						brown-red spots.
	ϵ	54	Dry hill La	ntan	a ruguloza N.BK.	Shrub 3 ft.; fls. yellow.
	j		Grassy hill		Aristida	
W.	/ 6	36	11		andropogon	
V	<i>(</i>	57	Side of Cut		₹ 1	
√			TT TT TT		Muhlenbergia	
	di s	59	Dry hillside			Tree 20 ft.; fls. yellow.
	3	70		azale	eaeflora HBK.	Shrub 10 ft.; fls. white.
1 1	8	71	Tournef	ortie	a cornifolia HBM Stipa	
			Prov. Chimbor			July 27
				UT	y slopes	Common in dry regions of interior.
6-	207	72				Common Til Grå rofirom on minor
W		73			Dragrostis	
	207	74	Cotapaxi Station Ki. meter 4:	T 0	Stilled	July 27
			Prov. Carchi		Rinconada, a	ranch between Ibarra and
				4	·	Aug. 10
	207	ır) p			a (HBK.) Cass.	Shrub
	SV1	176	Ravine Dru	onter	is I loteration	Edorda (hut) I myon della Ansmith 1978
		777		- F	- Jan Mary	graphic forms of the state of t
		8	, which we will see the see the see that the			

Brachyotum ledifolium (Desr.) Triana " or small tree; calyx red,

corolla yellowish.

		•
20779	Vallea stipularis Mutis	Tree
80	Ravine Dryopteris Ilbyten	ped-mala Chell I Tryen
81.		H.B.K.
// 82	Grassland Paspalum	
83	Shady ravine Asplenium monanth	nes L. var.
84	Asplenium monanth	nes L.
85	Open sloyes Bibens humilis	4 6 6/
86	Bidens andicola decomposita Ku	Large shrub or small tree; fls.
	Solanum	white.
87	Satureja nubigena (Benth. Briq.	
88	Open ground Cerastium Willdenovi	i HBK.
89	Carduaceae	Shrub.
90	Pilea arguta (HBK.) Wedd.	comewhat shrubby.
91	Miconia papillosa Naud.	Shrub fls. white.
92	Brachyotum alpinum Cogn.	Shrub.
93	Satureja microphylla (Kunth)Briq.	refletied.
94		F7 FF ON AN AND AND AND AND AND AND AND AND AND
95	Lamourouxia virgata HBK.	n purile.
96	Eupatorium azangaroense SchBip.	Fls. white.
11 97	Calamagrostis	3
98	Festuca	
() 1 99	Br omus	
20800	Agrostis	
01	Galium piliferum HBK.	Bruit orange-red.
02	Oxalis pichinchensis Benth.	Fls. yellow.
03	Pilea arguta (HBK.) Wedd.	20790?

W-1 20804	STETIOM ESSONI HARTO	veçii Fls. orange red LimbL.
MA- / 805		Thick spike, nearly leafless
~		stem.
806	Solanum	Small tree.
21 807 808	Vaccinium floribundum HBK. Aplopappus hypoleucus Turcz	
809	Tharra, along adobe wal	
	gripping the third of the control of	
	Provinces Imbabura &	Pichinche, Olavalo to Malchingui
		Aug. 12
	shrubby ro	is (St. Itc.) Lurche.
	Pavonia spinifex (L.) Cav.	onrub; ils. orenge-yellow.
///-// 8ll	Solanaceae	Buth ArR
812	Mimosa andina Bonth.	Smell tree; fls. white.
	Phrygilanthus destructor (H	
814	Mimosa floribunda Will	ld. 11 pink.
815	Passiflora manicata (Juss.)	Pers. Vine; fls. scarlet.
816	Parosela astragalina (HBK.)	Small shrub fls. blue.
817	Dry cliff Cyclophorus ame	ricanus (Hook.) C.Chr.
818	Agropyr	on
819	Dry bank Aegolog	on
820	Alnus ferrugineus HBK.	Tree 25 ft.
821	Duranta benthami Briq.	Shrub; fls. lilac
822	Oreopanax ECUADORIENSE	SeemTree 25 ft.
823	Stenomesson aurantiacum Hen	eb. Fls. orange-rea.
824		white.
825	Chusque	a Straggling or clambering.

20	0826	Salvia tortuosa detonsa Epl.	Shrub; fls. scallet.
	827	Calamagrost	is
Wal	828	Agrostis	
	829	Bromus	
	830	Damp shady place Chaetochlo	
	831	Valota	
	832	" Paspalum	
Volan.	833	Dry hills Chaetochloa	Commun
	834	" slope Sporobolus	
	835	Thamaesyce orb	oiculata (HBK.)
	836	Amaranthaceae	ætemanstiere parrigens (Jacq. 1/2/2.
	837	Wimosa Mimosa	Small tree; fls. yellow.
	838	Dry valley Tillandsia recurvata L.	On trees.
	839	" slope	Shrub 10 ft.
NW	840	Sphacele intermedia Epling Buddleia americana L.	Small tree.
*	841	Solanaceae	Shrub, fls. bluish white.
	842		Cactus to regresent photo.
	843	Caesalpinia pectinata Cav.	Small tree, fils. yellow &
rd			orange red.
- La	844	Coursetia dubia DC.	Shrub.
*****		demands where STARES Where Statesh Spring Spring Statesh Spring Statesh Statesh Statesh Statesh Statesh Statesh	

Prov. Pichincha, Malachingui to Pomasqui wooded hillsides

nug. 13

Way 20845 Verbesina arborea HBK. Shrub

846 Columellia crispa HBK. "fls. yellow.

847 Eupatorium glechnophyllum Less. "white

848 Phrygilanthus corymbosus (Dietr.) Small tree; fls. scarlet. Eichl.

(n) 120	849	Rocky slope PLA	ntago Linear	3570 II. H.B.K.
	850		3	14 14
	851	Polystichum so		
	852	i i.	stello ides (Lam	1.5 9.3
Was I	853 8 54 85 5	Juncoides race	emosum (Desv.) K enganten Oortaderia	untze
	856	Bank	Agropyron	Rhizomes.
	857	Open places	Agrostis	Small tufts.
	858	Liabum noncense Fic	eron.	Chrub rays white.
	859	Rocky slope	Orchid	Fls. pale yellow.
	860	Gunnera pilosa Kun	th	Aspect of pie-plant; blades 2-
				3 ft. in diam., circular in
				outline, but lobed & cleft.
				Infl. 18 inches long.
	86 1	Cleome glandulosa	R. & P.	Small tree.
	862		Cortaderia	5 8 ft.
	863		Weurolegis?	5-8 ft. loose clumps or patches.
let - 1	864		Bromus	
	865		Festuca	
3 1 2	866	Lepidium bipinnat	ifidum Desv.	
	867	Oxalis lotoides	HBK.	pepending from bank.
	868	Barnadesia		Prickly shrub, fls. light purple.

	0869	Verbesina arborea HBK.	Shrub
	870	Cremolobus peruvianus DC. Culcerlana crenata Lann Det Pen	mell)
· for the	872	Caref jamesonii Boott Solanum	imell tree
	874	Rocky bank Carduaceae	
	875	Calamagrosti	S
	876 877	Cliff Orchid U Lycopodium	
	878	Gaultheria insipida Benth.	Small shrub
	879	Cavendishia acuminata (Hook.)	Shrub, fls. red with yellow
		Hems	tip.
	088	Manettia echitidea Standl.	Vine, fls. white.
	881	Neonelsonia acuminata (Benth.) C&R	8 ft.
11	882	Enpatorium lamifol	Pls. lilec-blue.
•	883	Cliff Elaphoglossum crassipes (Hi	er.) Diels
	884	Gesneriaceae	Shrub, fls. red.
	885	Liabum coriaceum Hieron.	¥ f
	886	Stipa	
	887	Vernonia pycnantha Benth.	ĭ į
	888	Saurauja Spraguana Busc.	Small tree.
	889	Falicourea lineata Benth.	Shrub, fls. blue.
	890	Duranta triacantha Juss.	TY IT III CC.
A Company of the Comp	891		
Are A SE	892	Shady place Euphorbia fraseri	e.
	893		rls. blue.

20	894	Tibouchina mollis (Bonpl.) Cogn.	Shrub; fls. pink purple.
	895	Miconia crocea (Desr.) Naud.	white.
	896	Cuscuta foetida HBK.	On herbs and shrubs, ils. and
			infl. shining white.
	897	Eregrostis	
	898	Stipa	
A de la	899	Polyhogon.	
	900	1 f	
	901		
	902	Bragnostis	
W-1	903		
	904	Eragrostis	
and the state of t	905	Notholcus	Common escape from cult.
		things when propries provide provide when the contract when the contract when the contract the c	

20906-908 blank

Prov. Carchi, Paramos, 12 miles west of Tulcán Aug. 10.

20909 Among bunches of Fls. yellowish-green. grass Tetragonanthus Meyeri-Johannis (Gilg)

20910 Loricaria thuyoides (Lam.) Sch.-BiBush 2-4 ft.

911 Eastern edge of Culcitium rufescens H. & B.

No trunk, cottony white, fls.

exceeding leaves.

7 / 919

920

	const. O V com
20912	Covering large areas, miles in extent, the dominant Espeletia grandiflora H. & B. hartwegiana G. C. Smith plant; forms trunk as much as 10 ft. tall, the old
	leaves in a mass below the terminal tuft; flowers
	shorter than leaves & in their axils; rays yellow,
	disk dark brownish yellow. (See photo). Spanish
	name "Freilijón", applied also to 20911.
20913	Among 20912, boggy place. Rynchospora macrochaeta Steud.
914	
915	" Puya hamata med Mostly scattered; inflorescence
	8-12 ft., woolly, covered
	with spiny bracts; fls. blue-
	indigo in round heads that
	make up the columnar spike-
	like inflorescence (see
	photo) blades 3-5 ft. Spanish
	name Achupalla.
916	Calamagrostis Large bunch grass. Common among
	20912.
917	Among bunches of grass with 20912.
918	Lachemilla galioides (Benth.)
1	

Pos,

Agrostis

61 -

20921 Calamag-Agrost? Culms few or single, among 20912.

1922 Bromus Panicle drooping among 20912.

923 Nats on sides of bunches of grass among 20912 924 Mats on base of bunches of grass; fls. yellow "

Viola glandulifera Hooker

925 Scattered among bunches of grass in 20912.

Castilleja

926

Leontopodium gnaphalioides (HBK.) Hieron.
927 Bog in cover of 20912; infl. whitish, only flowering portion

above ground. At base is one branch, the infl., and another with leaves.

928 Small shrub scattered among bunches of grass in 20912. fls. Carduaceae yellow.

929 Boggy place in 20912 Fls. orange-yellow.

Hypericum strictum L.

930 Bog in 20912 Fls. purplish white.

Erigeron pellitus (HBK.) Wedd.

931 " greenish white.

Eryngium humile Cav.

932 Mats among bunches of grass in 20912.

Scirpus inundatus Poir.

933 Bog in 20912 Centiana nummulariifolia Griseb.

934 Among bunches of grass in 20912. Ranunculus praemorsus DC.

935 Bog in 20912.

1 936 On base of bunch of grass in 20912.

937 " " " " " " fls. pink.

Geranium cucullatum HBK.

Prov. Carchi, Le Rinconada, ranch between Ibarra and Tulcán.

Weed in yards Festuca

939 Small tree, common along fences and ditches, apparently
Datura rosei Safford
not indigenous; fls. pendulous, dull orange red
toward mouth, sometimes yellow or orange (see photo).

940 Thickets
Viburnum triphyllum Benth.

941 On trees. Orchid

Chrub; fls. white.

Fls. pink spotted with dark pur-

942 Bog in mts.
Lupinus aloperunides herr.

Celtifly CPS muth)

2-3 ft.; fls. blue (Collected by Sr. Tamaya's man) (see thoto).

943 Colignonia parviflora HBK. Straggling 8-10 ft.; fls. and 1 ENDI.

or more leaves w ite.

% 944 Fungus on 20943

945 On tree Tillandsia complanata Bent.

946 Carduaceae

947 Solanum

948 Carduaceae

Leaves mostly purple.

S rub 15 ft; fls. yellow.

Tree 20 ft.; fls. blue.

Here 10-12 ft.; fls. yellow.

949 Miconia salicifolia (Bonpl.) Naud. Shrub 12-15 ft.

950 Bog in mts. (Brought in by Sr. Tomaya's men); fls. red Ranunculus Guzmannii Humb. outside, yellow within.

951 Chuquiragua microphylla HBK. Shrub 5-10 ft.; fls. and heads light salmon.

20952 Siphocampylus umbellatus (HBK.)Don Shrub or tree up to 20 ft., long upright branches; fls. pale yellow.

Prov. Carchi, wooded hills south of Tulcán Aug. 10 20953 Siegesbeckia Mandonii Sch.-Bip. 954 Viola humboldtii Tr. & Pl. 955 Gentiana stellarioides Griseb. Fls. blue. M = 1956 957 Rubus bogotensis HBK. W- (958 Trisetum 959 woody vine. Muhlenbeckia tamnifolia (HBK.) Meisn. // / 960 Pagolia Colceolaria crenata Lam. (1400) 962 Gnaphalium graveolens HBK. 963 Coriaria thymifolia H. & B. Straggling shrub or vine, fruit rurule. 964 Shrub; fls. light purple. Lamourouxia virgata HBK. 965 Stachys repens Miq. 966 Geranium quinquelobum Wedd. 967 Paspalum 968 Vicia graminea Sims 969 Polystichum

1 972 Celamagrostis

970

971

973 Satureja Brownei (Benth.) Brio.

Relbunium hirsutum (R. & P.) Schum.

Alchemilla procumbens andina Perry

W-1	20974	Bromus		
	975	Stipa		
	976	Lachemilla orbiculata (R. & P.)Rydblats.		
	977	Baccharis floribunda HBK.		
	978	Hypericum hartwegi Benth.		
	979	Hypochaeris sessilifolia HBK.	Acaulescent; fls. white.	
	980	Eupatorium cotacachense Hieron.	Shrub.	
	981	Oxalis rufo-pilosa Schult.	Mats.	
	982	Lobelia		
	983	Eupatorium salicinum Lam.	Shrub.	
	984	Pernettya pentaandii DC.		
	985	Rubus glaucus Benth.		
	986	Lupinus Carchierrie C.P.S	ru. (Get. C. P. Small	
		Vaccinium floribundum HBK.		
	988	Orthosanthus chimboracensis (HBK	.) Baker	
	989	Paspalum		
	990	inthostachys tomentosa (Benth.)	Epl.	
	991	Plageiochilus prostratus Benth.	Tansy-like mats	
	992	Oar duaceae	Shrub	
	993	Baccharis teindalensis HBK.		
	994	Stipa		
	995	Baccharis teindalensis HBK.	II	
d.	996	Eupatorium azangaroense SchBip	•	
	997	Achyrocline trianae Klatt		
	998	Oenothera multicaulis tarquensis	(HBK.) Munz & Johnston	

999 Bidens humilis HBK.

21000	Passiflora mixta L.f.	Vine; fls. selmon-link.
001	Carduaceae. fuligimora 14134) Eupatorium origanoides HBK.	Caso Shrub; fls. yellow.
<i>1</i> / 003		1 🖔
004	Monnina	fls. blue.
005	Umbelliferze amacacia m	noschata(14. B.17.) De Det mathews
006	Solanum egranulosum Bi	tt. (rlet. mortin)
007	Pentstemon gentianoides Don	
800	Folypogor	
0 09	Brachypod	ium
010	Carex hamkeana Prest (:	Det. macRenzie)
011	Trisetum	
012	Barnadesia spinosa L.f.	Prickly shrub; fls. pink-purple.
013	Gentiana cerastoides HBK.	
014	Gentiana rupicola HBK.	
W-/ 015	Geranium imbalurae Knuth	
016	Hydrocotyle bonplandi Rich.	glabia Malhias
017	Geum chilense	
W 018	Bromus	·
019	Torresia	
020	Bidens humilis HBK.	Fls. yellow.
021	Agrostis	
022	Geranium	
023	Vicia graminea Smith	

21024	Vicia		
025	Acaena elongata L.		
026	Aegopogon		
027	Bromus		
028	TT		
11 11 029	Rubus ostrinus Focke Creeping		
030	Carex bouplandie var. robustior kukenth.		
031 Valemegrostis			
032	Viola tricolor L.		
033	Equisetum bogotense HBK.		
W (034			
035	Erigeron bonariensis L.		
· 036	Poa		
037	Stipa		
W / 038	Br omus		
// / 039	FY		
040	Trisetum		
041	Briza		
M - 1 042	drass		
043	Lobelia		
044	Valeriana alophis Graebd. Small shrub; fls. white.		
045	Agrostis		

Prov. Pichinche, Mt.	Pichincha	near	Quito.	4171	ne region
(3900-4500 M)		AUG	17.	1923.

21046 Werneria pumila HBK.

Fls. yellow

047 Juncoides peruvianum (Desv.) Kuntze

048

Calamagrostis

049 Cerastium floccosum Benth.

U50 Lycopodium crassum Willd.

llant pink.

051 Nototriche pichinchensis (H&B)Hill Ils. blue.

052 Valeriana bonplandiana Wedd. Small shrub; fls. white.

053 Agrostis

054 Culcitium rufescens H&B

055 Culcitium nivale H&B

Head drooping.

056 Lupinus mulargemen 16th, Fls. blue.

057 Castilleja nubigena HBK.

058

059 Trisetum

060 Werneria humilis HBK.

Fls. white.

061 Baccharis cespitosa (R. & P.) Pers. Mats.

062 Gentiana nummulariifolia Griseb.

063 Agrostis?

064 Eudema nubigena H. & B.

065

Thick s ike with rosette on sub-

terranean branches.

W-121066	•
067	Astragalus geminiflorus HBK.
068	Hypochaeris setosa (Wedd.) Acaulescent; fls. yellow.
069	Werneria nubigena HBK. " white.
070	Hypochaeris setosa (Wedd.)
071	Chuquiragua insignis HBK. Shrub, 3-6 ft.
072	Plantago sericea R. & P.
073	Large cushions.
074	Geranium multipartitum Benth.
075	Gentiana sedifolia HBK.
076	Lupinus
077	Culcitium reflexum H. & B.
078	Azorella pedunculata (Spreng.) Wedd.
079	23
080	Gentiana foliosa HBK.
081	Scroph
W- / 082	Agrostis
() / 083	Pos Bunch grass
084	Cerastium imbricatum Benth.
085	Calamagrostis
086	Baccharis cespitosa (R. & P.) Pers.
	Diplostephium rupestre (HBK.)Wedd. Shrub, 3-5 ft.
057	Lucilia pusilla HBK.

·	Annual Company of the
	Prov. Carchi, wooded hills south of Tulcan Aug. 10
Δ	Rubus nubigenus HBK.
S W . 089	Baccharis floribunda HBK.
090	Eupatorium salicinum Lam. Shrub
W 091	
092	Stipa
093	Agropyron
(1094	D'estuca
095	Geum chilense Geum PERUVIANUM Focke. (= 21017)
096	Cuscuta grandiflora HBK.
097	Castilleja
098	Ragolia CAICEOIARÍA SAYATILIS HEK. Iwining vine; fls. scarlet.
099	Bomarea
	groups more things aware which below being being being being being being being decease their being them
	Guayaquil Aug. 25
21099	Ehragmites
	AND
	Prov.Oro, between Machala and Fuerto Bolívar
	Aug. 26, 1923.
M - / 21100	Swamp near P. Bolivar. Rhizophora. Mangle L.
	Border of Swamp Sporobolus
	near P. Bolivar.
102	Lossypum perurianum (Cotton) Well established and rather abun-
	dant in the low brush.
103	Along track Sporobolus

104 Brackish swamp Avicennia nitida Jacq.

21105 On shrubs near swamp

addus .	
106 " Tillandasa multiflora Ben	Inflorescence pale or whitish.
107 Hylocens Sp. Cactus	Ulimbing, not common.
108	Common.
Cephalocereus tweedianus B. & R.	fruit reddish
110 Solanum	Shrub 5-10 ft; fls. yellowish
Capparis crotonoides (48K.) white.
111 Lycium tweedianum Griseb.	4BK.) white. 5-8 ft. cited by C.L. Hitchcork
112 Cryptocarpus pyriformis HBK.	" with vine like branches.
113 Vallesia dichotoma R. T. P.	71 3-5 It.
114 Prosopis	Common back of swamp.
Prov. Oro Between Santa Rosa &	La Chorita Aug. 27
21115 Gesneraceae	5 ft.; fls. red.
116 Acanth	Erect, 3 ft.; fls. scarlet.
117 Aphelandra tetragona (Vahl) Nees	
118 ZiphiDium coeruleum	Fls. white, berries red. Aubl.
119 Cephaelis tomentosa (Aubl.) Vahl	4-8 ft.; bracts red.
120 On trees Aechmea pyramidalis	Benth.
121 Herodendron oncogastra Hanst.	Shrub; fls. scarlet.
122 Cleome gigantea L.	10 ft.; fls. pale olive-green or
	yellowish.
123 Gynandropsis trichopus Benth.	8 ft.; fls. scarlet.

124 Eupatorium vitalbae Benth. 6 ft.; fls. pink.

Tillandsia disticha HBK.

21125	Turretia lappacea (L'Her.	.) Willd.	herb. vine; fls. scarlet.
1 1 26	Damp woods 013	7ra	Branching.
127	Acanth		Shrub; fls. pale-scarlet.
128	Loasa triphylla aequator	T ~ 1100	Herb 5-8 ft, stinging hairs,
		Urb. & G:	viscous; fls. white with
			salmon eye.
129	Carduaceae		Vine; fls. salmon-scarlet.
W- 130		sie ci s	
131		7 4	
	On trees buschmea	angustifol	ia P. + E. (Det. L. B. Smith)
	Wet woods Stromanthe t		
134	On tree Suzmanio	ra monosto	achio (L.) Rusby
_	· ·	bnanthus	
137		e e to chloa	
138		ajelum	
139	Eucrosia morleyana Rose		Fls. orabge-salmon-yellow.
140	Trixis divaricata Spreng	5 •	6 ft. fls. greenish
	Malvaviscus arboreus (Ca	av.) Sw.	Straggling shrub u; to 15 ft.,
			fla. scarlet.
142	(Abutilon) Pseudobastardia	a crispa L.) Hap	Merb 5-10 ft.; fls. scarlet.
1.43			Shrub or tree 4-15 ft.; fls.
			white.
1 4 4	ery brushy land,		Herb 10 ft.; fls. white.
145	Verbesina pent Eupatorium roseorum Robi		8-10 ft.; fls. lilac.
W (146		siacis	

Straight, stiff leafless trunks, 21147 Jatropha with pink-scarlet infl. 148 Oroton glabellus Z. (! Granget) Shrub 8 ft. 12 ft.; fls. magenta with 149 Bignon pale eye. " 8 ft.; fls. yellow. 150 Oxalis loxensis Rt Knuth W * / 151 Vernonia scorpioides (Lam.) Pers. Jacquemontia nodiflora (Desv.) G*Don Vine; fls. white. Cordia guayaquilensis A.DC. Shrub, 10 ft.; fls. white. magenta. 154 Hibiscus brasiliensis L. Prov. Oro. Between La Chorita & Portovelo Gold mine Aug. 28, 1923. Tree 30 ft. fruiting infl. red 21155 Along stream Triplaris guayaquilensis Wedd. Ternán Sánchez. 1156 Bank alon, road Pennisetum W /157 Dry open grassland Arundinella Cantua quercifolia Juss. 5-8 ft.; fls. white. 158 159 Tillandsia hamallana E. Morr. D. In 3. saiste

Tree, fls. white.

rootlets.

Vine, climbing tree trunk by

162 On log Peperomia choritana Trel.

Blakea quadriflora Gl.

160

161

Begonia

163 Mikania lanceolata Heiron. Climbing, fls. white.

W-(177

178 Piper zarumanum Trel.

		none 7 3 save	
2	1164	Solanaceae	Shrub; fls. white.
	165	Graffenrieda	Tree; fls. reu.
	166	Psammisia ecuadorensis Hoer.	" calyx and pedicel rea,
			corolla pink-salmon, tip
			whitish.
	167	Marcgravia rectiflora Tr. & Pl.	Tree or shrub with vinelike
		On a grantianna Mart (1	branches.
	168	Fuchsia SPECTABILIS HOOK.	Brect, lartly shrubby; fls.
			scarlet.
	169	Centropogon planchonis Zahlbr.	" lartly shrubby; fls.
			scarlet.
	170	Renealmia	Leaf 3-5 ft; infl. basal,
			calyx scarlet, corolla
			white.
And the second of the second o	171		Shrub 8 ft.; fls. white.
padi	172		1.
	173	Liabum sagittatum SchBip.	oft. Wellow.
	174	Bomarea pardina Herb.	Twining, climbing high, a
	*		single drooping infl. at
			end; calyx chimson-scallet;
			corolla white with dark
			purple spots.
	175	Viburnum ?	Shrub, mostly without lesves.
	176	Gonzalagunia sororia Standl.	corolla white.

Oplismenus

ft. 6 ft.

21179	On tree Guzmania fas	tuosa André	Inflorescence 2 ft. brects scar-		
			10	t with green tips; fls.	
			\overline{W}	ite.	
/// 1.80		Lasiacis			
181	Moist bank	Axonopus			
182	Anacard		Tree;	íls. Whitish.	
183	Palicourea stipulari	s Benth.	Shrub	10-15 ft.; fls. purple.	
1.84		Lasiacis			
185	Scroph		?1	4 ft.; fls. purple-blue.	
186	Palicourea stipulari	s Benth.	17	15 ft.; fls. pink.	
1-1-187	Miconia capitellata	Cogn.	ÅŁ		
188	Miconia SP		4 1	10-15 ft.	
189	Moist open ground	Paspalum			
/190	On tree trunk Pitcairnia exscapa Hook.		Tis.	scarlet (same as Huigra	
	1100allilla ex	scapa Hook.		ant on rocks).	
// / 191	Open moist grassla	and Panicum			
192	Moist cliff	Calamagrostis	Š		
193	n bank	Axonopus			
194	Psammisia ulbrichian	a Hoer.	Tree;	fls. scarlet, corolla	
			C.T.	eam.	
195			Small	shrub; fls. blue.	
1 - 1 196		Lesiacis			
197			Shrub		
198	Norantea anomala HBK	•	Tree;	fls. scarlet.	
199	Moist bank	Ichnanthus			

21200	Moist b	ank .	Panicum		
W / 2010	Beslevia	modica	morton (type)	Brect shrub; 3 ft.; fls. p	ale red
202			ichnanthus		
203	Tibouchin	a oroensi	s Gl.	Shrub 6-15 ft.; fls. purpl	e-blue.
204	Moist D	ank	Paspalum		
<i>P</i> - 205			Isachne		
206			Paspalum	P	
207	Enpatr	rum	laevigatu	m 11 Fand.	
		astifolium		" fls. yellow.	
209	Eupatori	um inulif	olium suaveolens	" 8 ft.; fls. white.	
11/-/210			¥ f	HBK.) Hieron.	
211	Moist b	ank	Panieum	Buch branchea.	
212	3.1	70-198 1	11		
213	łŝ	52 - 54 3 - 5	Ichnanthus		
214	Tibouch	ina laxa (Desr.) Cogn.	Shrub 5 ft.; fls. purple-b	lue
		sed	d manus applied needle wante kanne transis lighted from more filled about	•	
		ov. Oro	Portovelo Gol	d Mine Aug.30 Miver vol	ley.
21215	Near st	ream	Licaria limbosa	Woody vine; fls. rose.	
216	ŦΫ			S (E) fruit (Net-Krstermans)	
21.7	on tree			inatum Rose Woody vine; fruit scarlet.	
218	11 11	*************************************		out 18 ft. long	
219	11 11	7 8	IT	HBK. hima HB fry Det. L. B. Smith	
220	7 # 17	(a.g.	illandsia trigloch	ninoldes Fresl	
		0	rchid		

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21221 On tree, dry hill
                            Tillandsia juncea LeC.
    222
                                          Tree 30-40 ft. no leaves.
         Dry hill
    223
                                          Fls brilliant rose, the lip
    224 On tree, dry hill; Orchid
                                             darker with white border.
    225 (burnea)
                                          Tree 20-30 ft.; fruit yellow.
    226 Dry hill
    227 (burned)
                                          Large tree leafless, fls. cright
    228 Dry hill
          Cochlospermum hibiscoides (Willd.) Kunth
                                             yellow. "Pol -polo"
         Fabaceae Chitoria brachystegia Buth. Small tree, mostly leafless; fls.
     229
                                              lilac with red stripes in
                                              center.
                                          Woody vine, fls. white, fading
     230 Along river
            Phaseolus adenanthus G.F.W.Meyer
                                               cream or yellowish.
                                           Shrub or small tree; fls. white.
     231 Dry slopes
           Solanum Mandonis Huerck. & Muell.Arg.
     232 Along river
            Bignon
                                               purplish or rose-lilac.
233 Dry hill Phoradendron piperoides (HBK.) Tree. Det. E. P. Killy
                                           Hanging from tree.
          11
     234
           Rhipsalis micrantha (HBK.) DC.
    235 (burnea)
                                           Woody vine, fls. pale scarlet.
     236 Dry hill Bignon
                                           Faresite on tree; fls. scarlet
     237
             Fsittacanthus cupulifer (HBK.) Eichl.
                                              at base; cream above.
                                           Tree 40 ft.
           11 11
     238
             Triplaris guayaquilensis Wedd.
                                           On tree.
     239
```

Orchid

259 Dry hill Tillandsia pruinosa Sw.

260

On bark of tree. 21240 Dry hill Peperomia nummularifolia pubescens C.DC. tree; fls. greenish white n · / 241 with purple spots, the lip white with yellowish center. 242 (burneu) Tree 20 ft. with stubby branches; 243 Dry hill Urera baccifera (L.) Gaud. no leaves. 244 (barney)? Tillandsia multiflora Benth. On tree 245 Dry hill Bromel 246 Tillandisa triglochinoides Presl 247 Tillandsia lateritia André 249 Catopsis vitellina (L. K. O.) Baker "
250 Ly unmania monostachia fr Rusby 251 On hill at mine Andropogon Introduced? " Leptochloa i T Fanicum 253 Ħ 11 11 ΙĬ 11 11 Axonopus . 254 Along river below Portovelo. Aug. 31. 21250 On tree. 256 Boggy place Panicum 257 Paspalum 258 Surface of pools Lemna

On tree.

Common

Andropogon

W-121261	Dry	hill	Andropogon Common.
W. / 262	¥ \$	4.k	Imperata
W-1263	The state of the s	i f	androgogon

264 Common along river; fls. white. Inga

		hillside at mine	Sept. 1
<u> </u>	21265	Centrolobium ochroxylon Rose	Tree 40 ft. or more, fruit only.
			"Amarillo" a good mine timber.
2 8	266	Chaetochl	Oa
,	267	AXonopus	
. ,	268	Bragrosti	S
	269	raspalum	
	270	Trachypog	on
W- !	271	Andropogo	n
	272	Isandrinia (Cassia)	Small tree; fls. yellow.
	273	Chaetochl	08
A	274	Andropogo	n
	*		

The trip from Portovelo to Loja (nos. 21275 to 21439) 3 days on horses with 2 cargo animals and 2 helpers. No drying till Loja was reached. Prov. Oro Portovelo to El Tambo. Sept. 2.

1 21275 Dry wooded slopes Terrestrial; fls. rose.

276 Erythrina muthana Kruhoff Tree, leafless; fls. scarlet.

		Mesters of the Comments	
3//1/21	277		On tree, fls. pale salmon.
	278	Andropogon	
	279	Begonia	Als. white.
	280	Olyra	
	281	Saurauja tambensis Killip	Shrub; fls. white.
	282	Bignon	Tree; fls. yellow with brown
			stripes.
	283	Scleria bracteata Cav.	
	284	Arundinella	
	285	Icacorea guianensis Aubl.	Shrub; fls. white.
NVI	286	Meibomia cajanaefolia (HBK.) Kunt:	ze
<i>F</i>	287	Myrtaceae	Tree; fls. white.
	288	Imperata	
	289		or greenish.
	290	Bignon	Shrub, leafless; fls. yellow.
	291	Malpigh	Tree; fls. yellow.
	292	Millea ecuadorica Standf.	(21235)
The state of the s	293	Aristida	
The state of the s	294	£ 4	
	295		Woody vine; fls. blue.
	296	Eupatorium amygdalinum Lam.	1-3 ft.; fls. rose.
	297	Triplaris guayaquilensis Wedd.	Fls. greenish white, fruit
			bright red; "Fernan Sanchez"

21298	Orchid	(21825)
299	Orchid	On tree
W 300	Panicum	
1111 / 301	Begonia	(cf 21279)
302	ΤΪ	
303	Ichnanthu	as
304	Tillandsia umbellata André	On·tree
V) 305.	Aristida	Perennial, old blades curled.
306	raspalum	
307	Tournefortia bicolor Sw.	Shrub; fls. white.
W 308:	Nectandra lineatifolia (R. & P.)	Mez Tree; fls. yellow-green.
309	ranicum	
310	Fenniseti	am
311	Euplassa occidentalis Johnston	white.
312	Lycopodium cernuum L.	
313	Anaroros	on a second seco
314	Dry hills	
315	Miconia macrotis canescens Gl.	Small tree 20 ft; fls. white.
V) 316	ranicum	-
317	Siparuna quadrangularis A.C.Sm.	4 ft.; fls. orange-yellow
318	Cordia alliodora R. & P.	Shrub; fls. white.
319	Securidaca coriacea Bonpl.	Tree; fls. rose.
320	¥¶	
321	Miconia argyrophylla DC.	white.

Prov. Loja	A Section of the sect	tembo	to		Tome,	Selt.	3.
------------	--	-------	----	--	-------	-------	----

21322 River	bottom		Shrub	6 :

Jatropha curcas L. 323 Tillandsia Hitchcockiana L.B.Sm.

Dendropogon Tillandsia

324 Anneslia floribunda Rose

Opuntia macbridei B. & R.

Mayepea pubescens (HBK.) 327

Tillandsia 328

Orchid 329

330 Capparis scabrida HBK.

331 River bottom Cercidium praecox (R. & P.) Harms

17 332 Jatropha nudicaulis Benth. ft.

On tree; fls. purple.

Small trae; fls. purile.

Cactus common at lower desert

altitudes; fls. crimson.

Tree 10-20 ft., mostly without leaves or with young leaves; ery profusely flowering; fls. ink, conspicuous on the hillsides at 1,200-1800 M., put very scattering, 3 or 4 trees to square mile.

On tree

fls. rose.

Small tree, common in river bottom; fls. (stamens) white; calyx & corolla dull brown.

amell tree or shrub, leafless, fls. yellow.

Shrub 3-5 ft. young leaves; fls. scarlet-vermilion.

21	333	Fabaceae	Small tree; fls. white.
	334	Tillandsia coerulea HBK.	On tree; fls. lilac blue.
	335	Side of cliff Andropogon	
	336	Grassy slope Amonopus	
	337		Tree
	338 ₁	Embothrium grandiflorum Lam.	Shrub; fls. white, rose tinged
			"Cucharilla".
	339	Miconia SP.	Large shrub; fls. white with
			few brown spots.
	34()	Englisma edulis Ir.	Leafless tree; ils. scarlet.
		Eupatorium buddleaefolium HBK.	Shrub 8 ft.; fls. lilac-blue.
	342	Delostoma Lobbii Seem.	Tree; fls. crimson.
	343	Jatropha	Shrub, single stem or with few
			stubby branches, leafless;
			fls. brownish yellow.
ź,	344	Tillandsia hamaleana E. M	Mon tree, large basal cluster;
			fls. bright rose.
	345	Mauria heterophylla HBK.	Troe; fls. red.
	346	Solanaceae ecuadorense Bitt.	Shrub; fls. White.
	347	Labiatae	2-4 ft.; fls. dark violet.
	348	Eupatorium longipetiolatum arbusc	culare Robins.
		Indigefera microcarpa Desv.	
		Field in small valley Oenothera fusiformis Munz & Johns	Fls. canary yellow.

21351	On tree Tillandisa straminea HBK.	Infl. lilac; fls. white, upper
	IIIIanuisa straminea non.	half of livid purple, fragrant
352	Hedges and borders of fields	Fls. White. Furcraea andina Trof.
	Grassy slope Aristida	
		Shrub 2-6 ft.; fls. salmon-orange
355	machaerum Fabaceae Longistipitatum idelme	Tree, standard green, other
356	On tree Tillandsia tequendame	andre Det & B. Smith Det B. P. Killip Bracts red or yellow.
357		.Infl. readish; fls. white.
358	Tillandsia sinuosa L.B.Sm	
359	Anacard	Tree; fls. white
360	Tillandsia floribunda H	BKls. purple.
361	Bignon	Tree; fls. violet-blue.
362	Myrtaceae	Large shrub; fls. white.
363	Nectandra Laurel Kl. & Karst.	Tree; ils. white.
364	On tree Orchid	Fls. cream.
365	Weinmannia descendens Diels	Tree.
366	Roupala brachybotrys Johnston	fls. white.

Prov. Loja. Between La Toma and Loja Sept. 4
21367 Moist bank. Carduaceae

368 On tree Gusmania glorivea andre Tips of bracts red.

7 369 Moist bank Poa

2	1370	Loasa loxensis HBK.	Stinging; fls. red.
	371	Euphorb	Shrub 6 ft.; fls. green.
11 -1	372	Vaccinium reflexum Hook.f.	Els. rose.
	373	Centronia tomentosa Cogn.	Small tree; fls. reu.
	374	Oreopanax Andreanum Marchal	Tree; leaves leathery.
gyp th	375		Large shrub; fls. white.
	376	Centropogon erianthus (Benth.) B&B	H. Shrub; fls. scarlet.
	377	Valeriana Hieronymi Graebn.	Small shrub; fls. white.
	378	Orchid	Terrestrial.
	379	Moist bank	
The state of the s	380	n Agrostis	
- 1 • 1	381	" Stipa	
	382	Eryngium moritzii	Wolff
	383	Un tree	
	384	Moist bank Poa	
	385	Trisetum	
the standard of the standard o	386	Tillandsia complanata Benth.	", cluster of basal leaves,
			s_ikes amillary.
	387	On tree	
4	388	Chusquea	
	389	" trees and terrestrial	3 outer petals olive-brown, lip
		orchid	and 2 narrow petals greenish
			yellow.

```
21390 Amicia
                                      Shrub; fls. orange-yellow.
 391 aphelandra superbadindan (Det. Leonard)
1 6 ft.; Els. salmon.
 392 Iochroma grandiflora Benth.
                                     Tree; fls. violet blue.
 393 Duranta Sprucei Briq. Muticu L.F. Shrub; fls. white.
 394 On tree Phoradendron augustifolicaresite Eichi, Det. E. P. Killig
 395 Along road, probably planted, native? Tree
          Escallonia pendula (R. & P.) Pers.
 396 Monvillea diffusa B. & R.
 397 Dry sandy slope Bouteloua
 398
                       Aristida
 399
                       Bouteloua
 400
        " brushy hill Trichloris
 401
                       Bragnostis
 402
                       Fanicum
 403
                       Chloris
7404 Arroyo
                      Aristida
     Libidibia corymbosa (Benth.)Rose
                                     Tree; fls. yellow with brownish
                                        eye.
 406 Clay slope Drymaria stellarioides Willd.
     Dry hill
              Bragrostis
         slope Aristida
                      Chloris
 410
          hill Eragrostis
 411
                                     Shrub
Dodonaea viscosa Jacq.

412 On tree Tillandsia latifalia van Inflorescence red; fl. purplish.
413 Escallonia floribunda Bhrub; fls. white.
414 Roupala loxensis Johnston
                                                    " inside, pinkish
                                         outside.
```

	21415	Oroton pycnanthus B	enth.	Shrub 3-4 ft.	
	416	Bejaria parviflora	Benth.	· ! T	
	417	Gaultheria reticula	ta HBK.	" 1-4 ft.; fls. white	*
t	418	Dry hill	Sporobolus		
	419	n slope	Aegorogon		
	420	Moist slope	Panicum		
	421	Grassy slope	Azonopus		
10/	422	Bejaria aestuans Mu		Shrub; fls. crimson. ntha Dang. & Cherm.	- The state of the
¥	1424	(at man		", prickly, fls. orange	e me rea
A P.	6	,	eaing number		
	425	Araceae		Climbing 1-2 ft.; spathe	greenish
				white, spadix brownish	n.
	426	On tree Phoradend	ron	Parasite, yellowish green	n, berries
				white.	
	427	Gaultheria cordifol	ia HBK.	Shrub; fls. red.	
(h.)	428	Lycopodium clavatum	L.		
	429			white.	
And the second s	1 430	Moist bank	Foa		
	431	Hypericum		Shrub; fls. yellow.	
	432	On tree Orchid		Fls. pale yellow. (Is thi	. S
				21389?)	
	433	Selaginella			
	434	Peperomia Jamesoni:	i	1-2 ft.	
	435	Weinmannia macrophy	ylla HBK.	Shrub; fls. white.	
	436	Axinaea floribunda	(Naud.)Triana	n jink.	
	437	Satureja taxifolia	(Kunth) Briq.	2-6 ft.; fls. oran	ge red.

21438 Englerodoxa loranthiflora (Benth.) ACCISM: fls. scarlet

439	Dry slope Cortaderia
	SOURCE BASED AND STORE STAND STORE STAND STANDS IN A STAND STANDS AND A STAND STANDS AND A STAND STANDS AND A STAND STANDS AND A STAND
er	Prov. Loja, between Loja and San Lucas. Sept. 6
21440	Fuchsia hyPoleuca Johnston Shruh 3-6 ft.; fls. scarlet.
21441	On tree Tillandsia Infl. 3 ft., red, fls. purple.
1 (442	Dombeya Lappacea L'Hér only; fls. rea. (cf another
	number).
	Tillandsia panioulata " I ft.
444	Grassy bank in open woods. Triniochlos
// 445	Moist bank Pilea thymisfolia
446	Siparuna umbelliflora Perk. Tree; fls. greenish.
447	Bank of river Juglans Honorei Dode"
48	On tree Orchid
449	Terrestrial Orchad Fls. green.
450	monning chandryensis Charle.
() - / 451	orange.
452	Moist bank " yellow.
453.	Liabum amplexans Blake? II lilac.
454	Onoseris speciosa HBK. Brushy bank Isachne
, 455	Shady bank Poa
456	Troe; fls. green, rose-tinted.
M. 457	Rocky open place Agrostis

458 Saurauja tomentosa (HBK.) Spreng. Shrub or small tree; fls. white.

21459 Prunus capuli Cav.

Tree 30 ft. slong road, may

be cult.

460 Phrygilanthus punctatus (R. & P.) Tree; fls. creamy white.

W 461 Dry slope Epicampes

462 Moist bank Pos

463 Dry slope Sporobolus

Paspalum Paspalum

465 Axonopus

My 466 Agrostis

467 Moist bank Herb; fls. white.

W- 468 Valeriana urticifolia HBK.
Bromus

W 469 Dry slope Trachy, ogon

470 Passiflora sanguinolenta Mast. Vine; fls. dull red.

471 Phyllanthus salviaefolius HBK. Shrub; fls. green & rose.

W / 472 Moist bank

W 1473 Pitcairnia pungens. H.B.K. et. L. B. Frie

474 Abutilon sylvaticum (Cav.)Schum. 8 ft.; fls. white.

475 Stevia andina Robins.

W-/476 Open ground FRASARIA VESCA L. " "

477 Grassy hillside Tennisetum intectum Chase

W-(478 Dry slope Cortaderia Large clumps.

10 479 Terrestrial Ils. green.

480 Polygala paniculata leucoptera Blake

		DESCRIPTION OF THE PRINTS	
W- 1 21481	Grassy sloje	androrogon	
W- 482	in the state of th	rennisetum	
W / 483		Axonopus	
W 1484		Eragrostis	
485	Open clay slope	Daucus monta	anus H. & B.
M - 486	II II II	Chaetochloa	
487	FF FF .		grass
488		Bromus	
489		Andropogon	
490	Terrestrial orch	id	Ils. red, lip orange red.
491	Grassy slope	Paspalum	
492	Carduaceae		Rays orange
493	Along Agave hedg	ge Fabaceae	Fls. orange-red.
494			" dull red.
W-1495	Passiflora :	sanguinolenta Ma Paspalum	ast.
496	17 TT 15		5 ft. straggling; fls. blue.
497	Plumbago co	erulea HBK.	Shrubby vine; fls. lilac.
498	Solanum Along road & in	fields	3-4 ft.; fls. white.
499	Solanum sis	ymbrifolium Lam.	3-5 ft.; fls. pale scarlet.
	Salvia squa	lens HBK.	
		A STATE OF THE STA	

Prov. Loja, between San Lucas & Ona. Sept. 17

Mostly on the paramos.

Fls. white. 21500 Moist slope

Tofieldia falcata (R. & P.) Pers.
501 Rich moist woods No trunk, frond 5 ft. base brown Alsophila quadripinnata (L.) C.Chr.

woolly.

502 Rich woods

Shrub; fls. white.

Disterigma Popencei Blake 503 Moist bank

Lycopodium clavatum L.

```
21504 Moist slope Lycopodium herbaceum (Spring.) Hieron.
                       surpurea (R+P) Hurb.
W 1505 BomAREA SEIACEA Clirbing high; fls. scallet.
                          Cortaderia HERb.
N 1506
                                        Stra gling or climbing, much
     507 Oxalis lotoides HBK.
                                           brancheu; fls. yellow with
                                           brown veins.
     508
M / 509 Wet woods Rubus roseus Poir.
1 510 Vaccinum Crenatum Non
                                        Fls. red.
 1 /511 Terrestrial
                                             groen.
                          Festuca
     512
          Saurauja tomentosa (HBK.) Spreng. Small troe; fls. white.
     513
                                        Shrub 8 ft.; fls. pur le.
W- 514 Eupatorium atrescens Robins.
1 515 bhady bank Psilogramme elongata (Hook. & Grev.) spreng Kuhn
                                        Shrub 3-6 ft.; fls. pale purple.
     516
          Gaultheria tomentosa HBK.
 11 / 517 Brushy bank
                                        Large clumps.
          Struthiopteris Buchtienii (Rosenst.) Max. Shrub on tree; fls. white.
    518a Weinmannia stender of 519 Terrestrial orchid
                               & S. STENOCARPA
                                        Pls yellow; lip & inside of
                                           outer petals brownish.
                                        Same as 21519? blades shorter
    520
521
                                        Herb 10 ft.; fls. greenish
          Carduaceae
     522
                                           yellow.
                          Stipa
    523 Open ground
                         Danthonia
     524 Grassy paramo
                                        Shrub 10 ft.; fls. white.
     525
          Carduaceae
                                        Low shrub
     526 Bank
```

Diplostephium empetrifolium Blake

21527 Satureja taxifolia (Benth.) Briq. Shrub 3-6 ft., fls. yellow to pale red.

// / 528 Bank Paspalum

545 Damp woods

Centropogon comosus Gl.

529 Siphocampylus divaricatus Benth. Shrub 6-10 ft.; fls. scarlet to crimson.

				to crimson.
U.	530	Paramo	Danthonia	
A.	531	7 \$	Poa	
	532	the state of the s	Calamagrostis	
in the state of th	533	A &	The state of the s	
	534	* ¥	Agrostis	
	535	P. St.	Calamagrostis	3
	536	Special Specia	Paspalum	
	537	Escallonia t	ortuosa HBK.	Tree, 20-40 ft.
	538	go years and the second		Shrub 4 ft.
	539	Eupatorium exserto	venosum pseudofa	stigiatum (Hieron.) Robins. Fls. greenish-yellow.
	540	Halenia asclepiade Valeriana Hieronym	a (HBK.) Don	Small shrub; fls. white.
	541	11 11	11	
	542	Paramo		Ils. yellow-green.
	543	Lomatia obliqua Valerians	·	white.
	544	vaccinium f	loribundum HBK.	Shrub 3-4 ft.

546 Paramo Gaultheria reticulata HBK. Shrub 4-8 ft.; fls. white.

Tall herb; fls. pale yellow.

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21547 Paramo Gaultheria loxensis Benth Shrub 2-5 ft.; fls. jink.
          Brachyotum confertum (Bonpl.) " 3-5 ft.; fls. dull red.
  548
  549
        Baccharis genistelloides (Lam.) Pers.
          Brachyotum Benthamianum Triana "
  550
  551
        " Psilogramme n.sp.
  552
           Rynchospora macrochaeta Steud.?
  553 Rich woods Fagelia 8-12 ft.; fls. canary yellow.
                                     lu ft.
  554
                   Carduaceae
                                        " fls. yellow.
  555
                  Carduaceae
 556 Wet places carex feunda steud.
                       Poa
  557
  558 CAligNOTIA SCADENS BENTH-
                                    Lhrub. 5 ft; fls. green, some
                                        upper leaves white.
                                     Ils. white.
  559 Open fround Fragaria vesca L.
                                     3 ft.; fls. scarlet.
                                     Tree 30 ft.; fls. scarlet.
  561 Viburnum triphyllum Benth.
                                     Pls. bluc.
  562 On tree
      Tillandsia complanata Benth.
                                     Shrub 10 ft; fls. white.
  563 Carduaceae
                                     Rays yellow
  564 Paramo Coreopsis venusta HBK.
  565 Moist bank Polypodium moniliforme Lag.
                                     Shrub 5 ft.
  566
  567 Paramo vaccinium reflexum Hook.f.
                                     Fls. greenish-white.
  568
              Terréstrial Orchid
                                     Shrub
  569 Cacosmia rugosa HBK.
  570 Gynoxys buxifolia (HBK.) Cass.
                                    " 8-10 ft.
                                     Tuft reu; fls. creamy white.
  571 On tree
       Tillandsia tetrantha R. & P. var. scarlatina (André)L.B.Sm.
  572 Bank, paramo Lycopodium complanatum L. var.
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21589	Chuquiragua	argenta	(HBK.)	Hieron.	Much	branche	u prickly	shrub,
					4	-6 ft.;	silvery w	hite.

590 Paramo Stipa 591 Bragrostis Shrub 2-4 ft.; fls. yellow. 592 Dry ground Hypericum Lindenii Keller 593 Paramo Agrostis 2 ft. or less; fls. white 594 Baccharis genistelloides (Lam.) Pers. 1-2 ft.; fls. white. 595 Muchlenbeckia tamnifolia (HBK.) Meish. Creeping pr spreading; fls. 596 white. Infl. 3 ft., red; large cluster 597 On tree Tillandsia of basal leaves. 598 Faramo Valeriana rigida (Pers.) Pls. white. R. & P/ 4-5 ft.; fls. write. woody ravine 599 Eupatorium pichinchense HBK. 5-6 ft. " yellow. 600 Carduaceae Fls. yellow with brown veins. moist place 601 Oxalis lotoides HBK

Lolium

Fuchsia Hitchcockii Johnston shrub 3-5 ft.; fls. scarlet pen-603 n. SP. dulous.

Tls. yellow, lobes edged with 604 Faramo Gentiana brown-orange.

605 Nasrella Shrub 8 ft.; fls. dark blue. 606 Gésneraceae " 3-6 ft. " orenge-yellow. 607 Berberis conferta HBK.

21608 muticia alata Hierm (exchar.) Clambering or vine like, much

609 Eabaceac 2-3 ft.; fls. yellow. CALCEOLARIA ERICOIDES VAN. (DET. PENNEIL)

Paramo and woods just below Sept. 10 21610 Side of rocky cliff Fls. pink-purple. Tillandisa incarnata Benth. 611 Along Ageve hedge Small tree; fls. white, pendulous. 612 Passiflora glaberrima (Juss. Poir. Vine; fls. magenta, tube lilacpurple. (Observed same north of Quito, high altitudes above Malchingue) Terrestrial 613 Rich woods Tls. yellow, spotted with brown, orchid 3 narrow petals unspotted. 614 Scroph 3 ft.; fls. yellow. Shrub 8 ft.; fls. white, clus-615 Eupatorium Pachanoi Robins. ters more or less pendulous. 616 whrub offt.; fls. orange red. Centropogon longifolius Wimmer

617 Buddleia incana R. & P. Large shrub; fls. orange red.

Desfontainea spinosa R. & P. Shrub 6 ft.; fls. red, yellow-tiplea.

619 Open bank in woods Jortaderia.

820 Berberis rigida Hieron. Shrub 3-6 ft. with few upright branches; fls. orange-red.

621 Buddleia Jamesoni Benth Shrub with few branches; fls. white.

622 Clethra brevifolia Benth. "5 ft.

```
21623 Macleania nitida (HBK.) Hoer.
                                        Shrub or small tree 8-15 ft.;
                                           fls. red-brown.
      624 Berberis conferta HBK.
                                         " 6 ft. much branched and
                                           implicate; fls. rose and white.
     625 Moist bank
      626
                                        Fls. blue.
    / 627 faramo, among grass. Polypodium montiliforme Lag.
 / - / 628 Paramo
                         Poa
      629 Rich woods
                     Valeriana
                                    3-5 ft.; fls. white.
 W 630 Moist woods
                          Pos
      631
                          Agrostis
     632
                          Stipa
      633
          Valeriana hirtella HBK.
                                      Shrub, 10-15 ft.; fls. white.
4) 1 634
                                             8 ft.
 W 635 Faramo SATUREIA MUDIGENA
                                      Spreading (Kunth.) BRig.
     636
          Buddleia rugosa HBK.
                                      Troe 40 ft.; fls. orange-red
                                           (cf 21617)
637 Paramo, bank. Dicranopteris simplex (Hook.) Max.
     638
                  among grass Jamesonia
 / /639
                         Poa
     640
                    11
                        grass
     641
                                      Pls. yellow.
     642
                         Agrostis
     643
                         Calamagrostis
```

Fls. greenish.

644

terrestrial

21645 646	Puya paniculata C. & large clust	grassy hills; as much as 12 ft. tell
	freilijon)	
647	Paramo Agros	tis
648	Muehlenbeckia tamnifoli	Shrub, creeping as much as 15 a (HBK.) Meisn. ft. over bore soil.
649	Paramo Brachyotum Jameso	nii Trianalls. nearly black.
650	Bisyrinchium	"yellow.
651	Lobeliaceae	blue.
652		egrostis
V 6530	Ryilchospora. mae	rochaeta Stend.
1- 654	Agros	
655	" Gentiana saxifragoi	des HBK. Fls. lavender-blue.
656	" Erigeron crocifolius	(HBK.) Scattering; fls. white.
W / 657	graph of the second of the sec	Wedd. Terrestrial; fils. green.
658	11 Baccharis genistelle	
W= 659	TY .	(Lam.) Pers.
	service from adria later after service primer of	

Provinces Azuay and Canar, Cuenca to Huigra. Mostly through cultivated valleys; collections mostly from woods below paramo and on paramo.

Sept. 12
21660 Woods Monnina Luiqua Clark 6 ft. fls. dark blue.

661 Paramo Carduaceae Shrub 1-3 ft.; rays white.

		9 B	
21662	Paramo	Baccharis microphylls	a HBK. Shrub 3 ft.; fls. whitish.
663	Woods	Carduaceae	white.
664	t to the second	Eupatorium pseudoriga	anoides " 6 ft. Heiron.
665	Ciple of the second	Carduaceae	fls. pink-purple.
666	¥ ₹	Manettia recurva Spre	ague Vine; fls. pinkish.
667	The second secon	A. C.	Shrub 4 ft.; fls. scarlet.
W-1 668		campylus umbellatus (H	10-15 ft.; fls. pale yellow or greenish yellow.
669	11 Aba	tia parviflora R. & P.	. Tree; Ils. greenish yellow.
670	Weeu et	Biblián 3-4 ft. Solanum marginatu	
	Paramos	& woods of upler	slopes. Sejt. 13.
21671	On tree	e ndsia complanata Bentl	rus. pini.
672		-	Infl. E ft. unbianchea, fls.
,			light pur le.
673	Bomar	oa isopetala Rua	ingl. Climbing several feet, fls.
			rose scarlet, green tip ed.
W 1 674	Moist	shady ravihe.	Thalictrum podocarpum
675	Puya	mollis Baker	Fl. stem 4 ft; cluster of
•			leaves et base; fls.
		dia .	bluish green.
676	Brome	1	On tree. Infl. 3 ft. dull
			red; fls. lilac specimen
			is one of about a dozen
1			spreading branches.

			rt.
21677	Axinaea macrophylla (Naud.)Triana	Tree, 40 ft.; fls. light lilac-
			purple.
678	Cajophora aequatorian	a Urb.& Gilg	Herb. vine, stinging, fls. ver-
	5		milion.
679	Bomarea porphyrophila	Kranzl.	Climbing several feet; fls.
			dark scarlet.
680	Bomarea		Climbing several feet; outer
			petals light vermilion, inner
			yell w with brown spots.
681	Centropogon Hitchcock	cii Gl.	Simple stems, 4-6 ft., fls.
, and the second			scarlet to crimson.
V2 / 682	Moist bank Fe	stuca	
683	Vallea stipularis Mut	is	Tree, 30 ft.; fls. rose-crimson.
() 684	Vine TROPAEOLUM	Tube Rosum	Ils. red.
685	Loasa calycina Benth.	Red P.	Pls. red. 2-3 ft. stinging; fls. orange-
			reu.
686	On tree Peperomia	subconcava T	rel.
687	II Tillandsia	wangerini	mes (Net. L.B. Smill) Inflorescence unbranched; fls.
		•	
688	uchsia umbrosi	BENTH.	lilac, jurple. Shrub 4-6 ft.; fls. scarlet.
		Lamagrostis	
WW- 1690	m . Coa	ctaderia	
691	TT === 87	costis	
692	Vicia	\$ \$100.00 m - \(\frac{1}{2} \) - \(\frac{1}	ls. blue.

2.	1693	Paramo Satureja Jamesonii (Benth.) Brid	Shrub 1-2 ft.; fls. red.		
	694	Car duaceae	1 ft.; fls. yellowish becoming		
		oar adaccae	pur lish.		
	695	Berberis paniculata Juss.	Thrub 3-5 ft.; fls. orange red.		
	696	Mikania chimborazensis Hieron.	4-6 ft.; fls. purplish.		
	697 X	avatera assurgentiflora	Tree 12 ft.; fls. rose with		
		KELL	darker stripes (Cult. at		
			Tambo).		
	698	Berberis multiflora Benth.	Shrub or tree 8-15 ft.; fls.		
			orange-yellow.		
11/	699 W	foods	Bamboo, cane as much as l in.		
			thick, 20 ft. tall; common		
			in woods not in Il.		
200 - 100 -	700		Terrestrial; fls. yellow; tip		
			pearly white in center & dark		
			purple.		
	701 R	Lather dry hi Iside	Shrub 3-4 ft. leafless; fls.		
		Fuchsia	orange-scarlet.		
	702 Ci	scuta odorata R. & P.	Calyx purple; corolla white.		
		SERVING AMERICA SAMPANDE SAMPANDE SERVINGS HAVENED LANGE SAMPAND STANDARD TAKANDE TAKANDE SAMPANDE AMERICAN SERVINGS			

Prov. Tungurahua, Ambato, along Ry. to Riobamba Sept. 21.

703 Dry hill Stem 1 ft.; fls. scarlet.

704 " slopes Chaetochloa Large bunches; common.

705 Dry slopes and cliffs terrestrial; large tangled bunch,

Tillandsia incarnata HBK.

old stems 2-3 ft. long; fls. rose to dull scarlet.

706 Dry slope Coursetia dubia DC. Shrub 2-4 ft. straggling, much

branched; fls. rose purple & whitish.

```
21707 Ry. cut Melilotus indica (L.)All. Fls. yell W.
                                        Low shrub; fls. blue.
     708 Dry slope
           Salvia collina Kunth
   7709
                          Stipa
                          Paspalum Weed in alfalfa field.
W-/710
                          Bromus
     711 Ry. cut
712 Along irrigation
             ditch
    713 Ry. cut
                      Andropogen
     714 Along irrigat.
             āitch
                         Agropyron
                       Cenchrus
     715 Sandy slope
     716 Ry. cut
                           Stipa
                                         Shrub 1 ft.; fls. white.
     717 Dry ground
             Arcytophyllum thymifolium (R. P.) Standl. 21711 but smaller)
     718
                           Stipa
      719 Dry slope
                Dodonaea viscosa Jacq. Shrub 3 ft. com on.
      720
                                         Long runners from lower part of
      721 Springy place
               Epilobium aequinoctiale Lam.
                                           stem; fls. purilish.
      722
                           Scirpus americanus Pers.
               munulos glubratur Fls. yellow
      723
     Jussiaea diffusa Forsk.
724 Sandy Ry. cut Eragrostis Common on walls a open ground.
      725 Springy place. Celeri graveolens (L.) Benth.
      726 Moist ground near
                              Lantana rugulosa H. B. K.
                                         Shrub 4-8 ft.; fls. purple
              river
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tinged with white.

```
21727 Moist ground near river
                                      Shrub 5-8 ft. disagreeable odor;
                             Cestrum steubelië
Hiermo fls
                                           fls. greenish white.
                                      ( 21724) common compact-panicled
                          Bragrostis
   1728
                                            form.
     729 Sandy Ry. cut
                          Plantago psyllium L.
                                     CARTIUlosum moq.
     730
           17
                          Chenopodium
     731
                          Xanthium spinosum L.
                 FT
     732
                          Chamaesyce hirta (L.) Millsp.
                 Park Park
     733
                          Chamaesyce nuta s (Lag.) Small
                          Carduaceac avosela humifusa (Benth.) macho.
                slope
     734
                                        Forms ashy thick mats, 2-3 ft.
     735
                soil
                          Parosela
                                           across; fls. blue.
     736
            71
                          Diplotaxis muralis micrantha O.E.Schultz
                   "Verbena inflata HBK. Mats; fls. white.
     737
                   "Argemone mexicana L. Pls. yellow.
     738
                   "Verbena microphylla HBK ats; fls. lilac.
     739
           bank Tribulus cistoides L.
     740
           m soil
                         Sporobolus
     741
 W /742
                          Eragrostis Weed in garden.
     743 Base of dry slope
                              Carduaaceae 3 ft.; fls. yellow.
              in ravine
1 744 Furnaria officinalis weed in garden.
                     Stipa
     745 Dry ground
                                        Tree 20 ft. wild plant growing
     746
                   Clusia
                                           in ground of Normal School;
                                           fls. white.
                                        Shrub 1-2 ft.
     747 Dry slope
                Artemisia Sodiroi Hieron.
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21748 Sandy slope & Abundant, probably introduced.

Mesembrianthemum crystallinum
      rov. Tungurabua, Valley of Fastaza River, Banos to Cashurco,
            8 hours east of Banos
                                                     Sept. 25
   21749 Open slope Faspelum
            Fuchsia GLABERRimA Shrub; fls. red.
     750
                                      n. 8 P.
                            Johnston
     751 Open slopes
                        LBCHECKI IN
                                      Common
                         Axonopus
     752
     753 Saurauja aequatoriensis glabrata Shrub or tree 15 ft.; fls. white.
     754 Terrestrial, cliffs and rather dry banks. 3-5 ft. no bulb,
            Orchid
                nakea below; fls. lilac & dark lilac.
   / 755
                          Ischaemum
     756 Bushy moist bank Isachne
                          Ischaemum
Rhynchospora
      759 Cliffs & dry grassy slopes, terrestrial, 2-4 ft. no bulb
                  infl. often branching; fls. ink-purple.
                                       Tree, 20 ft.; fls. lilac.
          Tessaria integrifolia R. & P.
     761 Grassy slope in moist place, Paspalum
                       Ponnisetum
                                       Common
      762 Moist slopes
      763
                woods
                       Pteris coriacea Desv.
      764
                         Dennstaedtia obtusifolia (Willd.) Moore ?
      765
                         Pteris Kunzeana Ag.
      766
                        alsophila
```

Polypodium

767

21768 Tropaeolum pubescens HBK.

Herb. vine; fls. scarlet, green tipped.

769 On prostrate log

Fls. salmon.

770 Gesneraceae Shruh 5 ft.; flowers in globose masses with red bracts, the fls. creamy yellow; mass gelatinous.

Shrub; fls. light surple.

771 Open gravelly banks Arundinella

Turretia lappacea (L'Her.)Willd. Vine; fl. rose-red.

2-3 ft.; fls. red-vermilion. 773 Gesneraceae

Fls. orange-salmon. 774 Moist woods Canna

Lasiacis 775

> 2-3 ft.; fls. white. 776 Cliffs Solandra

Herb. stout erect, 8 ft., simple; 777 Begonia parviflora P. JE. fls. white; infl. large (3

specimens from one)

Pls. Link. 779 Moist woods

Pavonia nemoralis St.Hil. 2-3 ft. fls. purple. 780 Anoda hastata Cav.

5 ft.; fls. scarlet. Fuchsia SCAbRiusculA 781 BEATH (21777 probably) 782

783 Moist cliff Begonia

Begonia

778 Barnadesia

n bank / www. Fls. pink. 784

Monolena primulaeflora Hook.f. 5-8 ft.; fls. white. 785 Wet bank Solanum

On tree. JAMESONIANA A. DC. 786 Moist woods Begonia

787 Along trail in forest. 4-8 ft.; fls. white purple-tinged; Solanum fruit globose, 2 in. diam., yellow, densely hirsute

with prickling irritating hairs, used to flavor drinks. Called Naranjilla (little orange); may be introduced, found around houses and along roads.

bracts scarlet; fls. pale

yellow.

21788 Wet woods CAMPELIA ZAnonia. white. (L.) H.B.K. Shrub 1-2 ft.; fls. pele lilac. 789 Acanth Fls. rec-vermilion 790 Gesner 791 Along road Cyperus hermaphroditus (Jacq.) Standl. 792 Moist woods Diplazium Frond 3 ft. Scarcely shrubby 6-12 ft.; fls. 793 Liabum pallatangense Hieron. yellow. 794 Along trail Fls. white. Adenostemma Lavenia (L.) Ktze. yellow. 795 Open ground Jaegeria hirta (Lag.) Less. 2-3 ft.; fls. white. 796 Banks and open ground Klaprothia mentzelioides HBK. Fls. light purple. 797 Clay slope in moist woods Ipomoea Herb. vine; fls. greenish white 798 Cucurbit 799 ranicum 800 Moist bank Begonia glabRA Aubl. Begonia 5 ft.; fls. pale yellow, bracts Woods Acanthaceae 801 dark red. Leaves 10 ft. blades 3 ft.; 802 Wet woods Bihai infl. terminal drooping;

27	803	Wet woods		Shrub 8 ft.; fls. white.
Wal	804	Gonzalagunia flo Terrestrial	exuosa Standl.	Ils. white.
W	805			Shrub 10 ft.; fls. dark purple.
	806	Edge of woods	Lasiacis	
god store and	807	Grassy bank	Axonopus	
W	808	Edge of woods	Lasiacis	
	809	Grassy bank	Panicum	
1 /	81.0	il il	Axonopus	
	811		Solanum	Shrub, lu ft.; fls. lilac.
W	812			3 ft.
	813	On tree		Fls. creamy at base, white
				above & on inside, lip
				purple brown sjotted or
		•		lined.
	814	Edge of woods B	Eupatorium bulla	tissimum Robins.
	815	Open shrubby ela	ey ground Dio	scorea coriacea H. & B.
·	816	On tree Pitcai	rnia	Bracts scarlet.
	817	Open ground alor	ng trail Hyper	enphorbivides St. 74il.
	818	Edge of woods		Straggling weed, vinelike bran-
		Hitchcockii		ches; fls. white.
	819 820	Vandellia diffusa Buluia impestion Moist shady place	L. Morton (Type)	Mats on open ground.

2-5 ft.; fls. white. 21821 Open ground Tibouchina longifolia (Vahl) Baill.

W// 1 822 Shrubby bank Pennisetum 5-8 ft. Ils. white. 823 Among shrubs Rubus irticifolius Poir. Tree 15 ft.; fls white. Miconia & P. 824 825 On old stump Pilea Hitchcockii Killip 826 Grassy bank Axonopus Pls. light salmon. 827 Moist open ground Gynandropsis hispidula DC. 828 On log Polypodium 829 In woods Diplazium marginatum (L.) Diels Fls. magenta. 830 Edge of woods Ruellia 831 Along trail, Sida nhombifolia gnagumifolia tel. Fls. white with jurile eye. open ground 2-4 ft.; fls. white. 832 Open ground by woods Monochaetum lineatum (D.Don) Naud. Shrub 6-8 ft.; fls. yellow, 833 Acanthaceae bracts dark red. 1 / 834 Dichorisandra villosula mort Da. E. P. Killin 3 ft. blades pur le at tip; / 835 Moist woods fls. yellow. Shrub 6 ft.; fls. red, borne 836 Hoffmannia ecuatoriana Standl. on old wood. Ils. selmon link. 837 Moist shady place Gynandropsis brachycarpa DC. 838 Woods Pteris reticulata venosa Hieron. dull red. 839 On trees

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WV -/21840 Moist bank
                                        Fls. white.
              Anthericum microcarpum Killip
       841 Moist rich bank
              Gesneriaceae
  W - 1 842 Grassy moist bank Faspalum
                                        3-6 ft.; fls. yellow.
       843 Open bank
              Liabum nigropilosum Hieron.
       844 Wet bank Beg nia
                  Miconia 5P.
                                       Shrub; fls. white.
       845
       846 Woods
                                          " 8-10 ft.; fls. white.
       847 Clidemia sess liflora (Naud.)Cogn.
                                          " fl. white.
       848
           Coussarea pilosiflora Standl.
                                           " yellow.
       849 Wet woods
               bank Oxalis coarctata Knuth Fls. yellow.
       850
       851 Mendozia Hitchcockii Leonard Vine, fls. white.
                                        Fls. vermilion.
       852 Wet shady bank
                           Echinolaena
       853
             Gurania Spinulosa (P.p.S.) Copu. Vine; fls. selmon-vermilion
       855 Woods Dryopteris
                           Lasiacis
       857 Moist open ground Solanum Fls. white.
  W 858 Shady bank Ichnanthus
                            Rynchoshora dussiana Breck.
       859
                            Sucurbit Vine; fls. greenish.
       860 Moist "
         I On tree Bromel Fls. yellow.
       861 On tree
       862 Open moist bank Panicum
                           Lasiacis
   / / 863
      864 Moist bank Cyperus Luzulae Rottb.
       865 11 11
                            Rynchospora polyphylla Vahl (?)
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21	866	Moist shady bank Gesneraceae	Els. scarlet.
	867	" ground Fanicum	
	868	Miconia scutata Gl.	Shrub; ils. white.
	869	Moist ground Selaginella	
	870	Wet shady place	Els. vermilion.
	871	" bank Ichnanthus	
	872	Open ground pastagae Robins Eupatorium literase Hieron.	white.
	873	Clibadium microcephalum Blake Centochogon sp. Wet woods	Shrub; fls. white.
	874		Hls. yellow.
	875	Mikania pastazae Robins.	Vine; fls. white.
	876	Eupatorium Hitchcockii Robins.	10 ft.; fls. pink.
`` ;	87 7	Solanum diffusum P. + P.	Els. white.
	878	Moist bank Ichnanthus	
W	879	" shady ground Panicum	
	088	Eipatorum nemorosum Along trail	3-5 ft.; fls. white.
	881	Ichthyothere scandens Blake	Fls. white.
	882		10 ft. fls. white.
^	883	Moist woods	15 ft.; fls. white.
3 A.	884	Saurauja tomentosa (HBK.) Spreng	Shrub; fls. yellow.
	885	Shaqy place	Inflorescence red.
		On log Peperomia stelocophila gl	
	887	Wet woods Spathiphyllu	Fls. yellowish white.
	888	Solanum lepidotum /4.4 /3.	Fls. yellowish white.
	889	Moist bank	
9-1	890		Shrub 10 ft.; fls. white.
	PR 20 118	yen	737°34 Фg

891 Open ground Eucharis

Fls. white.

Creeping; fls. green. 21892 Moist ground Hydrocotyle N W-11893 bank Lasiacis 894 895 Open ground Chloris Fls. yellow with brown spots, 896 On tree lip yellow. 897 Moist bank Selaginella 8-12 ft. 898 Liabum hastifolium P. & E. Prov. Tungurabua, Banos Sept. 26 21899 Cyperus phaeocephalus Griseb. 900 On adobe wall Stipa Bragrostis 901 " Chaetochloa 902 " 903 11 Bragrostis TT Fls. greenish white. 904 " iï 905 " Malvastrum peruvianum (L.) Gray 906 Dry hills (between Banos and Ambato) Tillandsia arpocalyx André yellow-green. 5 / 907 Dry bank rose. \$\\ 908 Grassy hill Axonopus 7 / 909 " Poa 910 Dry hills Sisymbrium scalet. 911 Grassy hill Andropogon a few inches to 1 ft. or slightly more. 912 " Paspalum Stipa

Manual T T T T Manual M

21914 Grassy hill Eragrostis (1-/915 Andropogon Oplismenus 916 917 Dry hill on rocks 918 Rock cliff Cheilanthes myriophylla Desv. 919 Rocky hill Andropogon 920 Stone wall Stipa inconspicua Presl Muhlenbergia 921 Rocky cliff 922 Aegopogon W / 923 Fostuca 924 Notholaena bonariensis (Willd.) C.Chr. 2-4 ft. shrubby; fls. blue & 925 hill Lupinus violet. L'ambatione C.P. Suith Testuca 926 Grassy hill Chrub 3-6 ft. 927 Dry hill Oroton pycnanthus Benth. 928 Along roads & fences probably planted. Tree 15-25 ft. fences (planted?) near Ambato 929 930 Among century plants near Ambato Vine. Cynanchum quitense K.Schum.

Prov. Pichincha. Quito Oct. 1.

931 Open ground along street. Eragrostis

932

And 933 Given by Mr. Soderstrom from his garden; 2 petals bistre; 2 yellow, lip purple & white.

W-1	21934	Same	Alpha va	Petals yellow with brown spotches.
VN - /	935	1 †		The large petal yellow with brown spots.
	936	45mm Likes	Orchid	Fls. yellow a brown.
	937	in the second se	Orchid	retals nearly black, lip white.

		Spheropal at a 11 th company and a special and the special and				
	Prov	. Chimborazo, between Urbina Mt. Chimborazo Oc	t. 4.			
21938			tinged			
		Gentiana cernua HBK. and voine with red.				
Control of the second of the s	939	4240 E. Fis. light rose.	Fls. light rose.			
ě v		Geranium acaule Willd. 3780 M yellow.				
and the second	941	3780 M				
	942	Valeriana rigida (Pers.) R&P. White, dense head	lovel			
		with ground.				
N /	943	"PLANTAgo cumingiAnA F.+ TM.				
· ·	944	Festuca Very common 3700-3900				
7-	945	Plantago linearis H.B.K.				
	946	Bidens humilis HBK.				
	947	Ranunculus peruvianus Pers.				
\	948	n Pos				
	949	Calamagrostis Common 3700-3900 M				
W-/	950	2. A				
Man 1	951 Q	Mestuca Mestuca Milana in incita on ditab Mila except white				
	952	. Wrong ir igation direct bis. Green's with ce.				
	953	Carduaceae				
	954	Senecio 4390 M Culcitium reflexum H. & B.				

				-113 wax						
21	955	4390		Calamagrostis	Š					
	956	4545	M	Poa						
	957	4390			\					
	958	4545		Bromus						
	959	11	lla nadamani	oto (Channa) Wo	- Control	cushions; fls. green.				
			lla pedunculata (Spreng.) WeddysiPoma montioiDES H.B.K.							
	961	3 \$								
	962	4.4	Lupinus		Fls.	tark blue.				
	963		Werneria hu	milis HBK.	Forms	large cushions.				
	964	in the second se	Lycopodium		Plant	salmon-red.				
	965	List +	Cerastium f	loccosum Benth.	Upper	limit of vegetation.				
	966		Culcitium r	ufescens H. & B.	Freile	ejón, heads in infl. 1,				
					S 01	netimes 2, rarely 3.				
	967	- Allegade Annual - Annual - A		Poa	Culms	mostly single.				
	968	h m		Calamagrostis	3 ?					
	969	and the same of th		ivale H. & B.	,0					
To see as	970	7 7	Culcitium ferrigineum							
	971	grade Drawn	Jamesonia bi	runnea Maxon						
	972	Ŧ Ŧ	Hypochaeris	setosa (Wedd.)	Forms	small cushions.				
	973		Loricaria th	nuyoides (Lam.)		t of conifer.				
	974	¥ ¥	Sch. Bip. Rentianaxprontrataxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx							
	975	7 7	Baccharis cespitosa (R&P) Pers. Gentiana prostrata Haenke			blue.				
	976					cushions, fls. greenish				
	7762		Lupinus ful	ichous Be	with .	cushions " white.				
	977	ignana ignana	Alsinaceae		Small	cushions " white.				
	978	4240	M	Testuca	Bunch	grass, common.				

The same of the sa

			NOW PROME STA	
2	1979	4240 M	Bromus	Aspect of B. porteri, culms
				mostly single.
	980	11	Calamagrosti	s Bunchgrass common from 3000-
				1400 M.
1	981	11	Agrostis	
	982	Ÿ Ÿ		
	983	f 7	Denthonia	Sunches I ft. diam. radiating
				only seen in one locality.
	984	T	£08	Culms mostly single.
	985	The state of the s	Calamagrosti	S
	986	7 F	Poa	Bunchgrass cormon.
	987	" Sature	eja nubigena (Kunth)	Mats; fls. lilac.
	988	" Gerani	um acaule Willd.	iq.
*	98 9	" STELL	ARIA CUSPIDATA	Fls. white. WiLLD.
	990	" Cerast	ium glutinosum HBK.	I. 4
	991	4090 M Ger	ntiana foliosa HBK.	" lilac-mauve.
	992	" Ranunc	culus peruvianus Pers.	" yellow.
	993	The second secon	Agrostis	
A	994	No. of the second secon	Pestuce	Lunchgrass.
	995	" Cardus	ıceae	Small tufts, level surface;
				fls. yellow.
	996	" Cerast	ium glutinosum HBK.	
	997	" Eriger	on pellitus (HBK.)	Rays lilac to nearly white.

21998 Gentiana cernua HBK. Fls. lilac.

999 Agrostis

22000 Carduaceae Mats.

001 Carduaceae Small cushions (appears to be mixture).

002 Rather common.

003 By irrigation

ditch 3940 M Bromus (21979)

Prov. Chimborazo, Urbina, paramo on east flank of Mt. Chimborazo, collections along Ry. Oct. 5. on banks of cuts or ditches.

" Poe Bunchgrass common.

W-/ 22005

004

006 Patch along bank. Ancistrum argenteum (R&P) Poir.

007 Side of cut Agrostis

W 008 Eryngium humile Cav.

W / 009 Fls. yellow.

OlO Castilleja fissifolia L. " scallet.

/n - / 011 Pos

012 Umbelliferae

013 Gnaphalium

014 Agrostis (cf 21999)

-116 ---22015 Agrostis 016 017 Poa 018 Along cut Stipa Bunches 019 Trisetum? 020 etifida var. glabra mathias (type) (not a pedunculata) Large bunches or cushions. 022 Muehlembeckia vulcanica Endl. Hanging in masses from top of hill. 023 Lachemilla orbiculata (R&P.) Rydb. Hanging in cushions on level ground. Common. U24 Geranium chimborazense Knuth 025 Geranium acaule Willd. Fls. white or pink. 026 Testuce Trifolium amabile MBK. " tinged. 029 Trisetum 030 Pestuca Bunch grass common. 031 Stellaria cuspidata Willd. 032 Arenaria serpens HBK. Mats, roots deep. 033 Lepidium bipinnatifidum Desv. 034 Plantago linearis HBK. 035 Along cut On level ground forms cushions Azorella biloba Wedd. or mats. 036 Carduaceae

W-/ 22038 Castilleja nubigena HBK. Spengularia spruciana Rossbach (Net-Rossbach)
Alsinaceae Prostrate with deep tap root. U39 Open ground 040 Sagina quitensis HBK. Annual prostrate. 041 Mats. Oxalis 042 Stachys repens Miq. Fls. rose with purple slots. Aphanactis Jamesoniana Wedd. Lats. 044 Lupinus perennial; fls. jurplish. 045 agrostis 046 Open ground Alsine cuspidata (Willd.) 047 Carduaceae 048 Hdge of cut Bidens humilis HBK. hanging. 049 Vicia graminea Smith Fls. blue-purple. 050 Werneria nubigena HBK. Heads lev 1 with surface; fls. white; leaves 2-ranked, often, especially in sterile plants,

lying sidewise on the ground.